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Do not assume content reflects current scientific knowledge, policies, or practices.



Home Canning is Fun!

Free **NEW BOOKLET**
"Your Guide to Home Canning"

with each
"Prize Garden" Vegetable Collection
No. 1—One packet of each:
Beets, Ex. Early Winesap ... 8c
Beans, Faribo Brittle Wax ... 8c
Beans, Tendergreen Stringless ... 8c
Cucumber, Earliest Pickling ... 8c
Tomato, Ex. Early Bison ... 10c

Value 42c—All
prepaid for **35c**

COLLECTION NO. 2

1 oz. Beets, Ex. Early Winesap
1/2 lb. Beans, Faribo Brittle Wax
1/2 lb. Beans, Tendergreen Stringl.
1 oz. Cucumber, Earliest Pickling
2 pkts. Tomato, Extra Early Bison

Value 90c—All
prepaid for **65c**

May also be ordered
thru your dealer

FARMER **SEED & NURSERY CO.**
• **FARIBAULT** • **1939**
MINNESOTA

New Opportunities for **PROFIT and PLEASURE**

Get the thrill of growing new things! Here many surprises await you. Most items are hardy—same semi-hardy. At our low prices we can make no replacements. Order early, as some items are short. Safe delivery guaranteed. For descriptions, see nursery section, this catalog.

New Northern Apricot

2-3 ft., 75c each; 2 for \$1.40, ppd. (Page 31.)



Newest Novelty Offer A

- 1 New Northern Apricot. 1-2 ft.\$0.65
- 1 Prof. Hansen's Bush Cherry 2-yr. size30
- 1 Hardy Asiatic Pear. 18-24 in.30
- 1 New Red Caco Grape. 2-yr.35

Value\$1.60

All for Postpaid **\$1.25**

New Hardy Red Caco Grape

3 for 65c, ppd. (See page 29.)



Hardy Asiatic Pear

18-24 in., 30c each; 3 for 75c, ppd. (See page 31.)



PROF. HANSEN'S SUPER-HARDY BUSH CHERRY. 2-yr., 2 for 60c; 3 for 75c, ppd. (Page 31.)

BITTERSWEET VINE. 2-yr., 2 for 65c; 3 for 95c, ppd. (Page 34.)



Jumbo Blueberries

Two 2-yr. plants (with Acid Humus), \$1.30, prepaid. (See page 29.)



All 3 Collections

only \$3.25 (A \$4.85 Value) Postpaid

New Boysen-Berries

Six 1-yr. plants, 70c; 12 for \$1.30, ppd. (Page 29.)

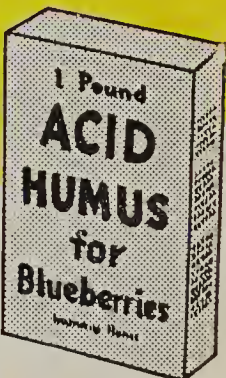


Experimental Offer B

- 6 New Boysenberry. 1-yr. plants\$0.70
- 2 Jumbo Bush Blueberry. 2-yr. plants 1.30
- 1 lb. Acid Humus, with instructions for growing BlueberriesFREE

Value\$2.00

All for \$1.60 Postpaid



Ornamental

OFFER C

- 1 Bittersweet. 6-15 in. ..\$0.35
- 1 Peony, Decoration Day. Pink50
- 1 Everblooming Rose, Talisman40

Value\$1.25

All for **75¢** Postpaid

DECORATION DAY PINK PEONY 50c each, ppd. (Page 35.)



(Below) TALISMAN ROSE 40c each, postpaid. (See page 34.)



NOTE—These prices are exceptionally low and may have to be advanced at any time—Order early.

BLUE FIGURE PRICE LIST

Prices subject to market changes, stocks being unsold; bags included in weight.

THE FARMER SEED & NURSERY CO. guarantee satisfaction to every customer. Complaints, if justified, will be adjusted to the amount remitted, however THE FARMER SEED & NURSERY CO. give no warranty, express or implied, as to the descriptions, productiveness, or any other matter of any

seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. Purity and germination tests are given for guidance only, and without guarantee. If the purchaser does not accept goods on these terms, they are to be returned at once. All prices are F. O. B. Faribault.

FARMER SEED & NURSERY CO., FARIBAULT, MINN. Jan 14, 1939

EXCEPTIONAL "LOT OFFERS" FOR "EARLY ORDERS"

Lot GOLDEN HARVEST Registered HYBRID CORN

We offer a special lot of Wisconsin 110 Day Hybrid for those who want outstanding quality at a real saving for buying early. This hybrid has resistance to lodging and freedom from broken stalks, and produces 10 to 20% greater yields of excellent high quality grain. Subject to being unsold.

Small Grade, FLAT
\$5.00 per bu. GRADE
Round Grade, \$6.00
\$4.00 per bu. BU.
Net cash.

Lot "Record" MINHYBRID 301, Registered HYBRID CORN

A special lot of Minhybrid 301 (Small and Round Grades only), for our friends who want to lower seed costs by buying early, and get the outstanding qualities of Minnesota's best 105 Day Hybrid. It possesses all the inheritance to produce as well as the flat grade. The Rounds plant about 7 acres, and the Smalls about 9 to 10 acres per bu. Subject to being unsold.

Round Grade, Small Grade
\$4.50 per bu. Net cash. \$5.50
BU.

Lot "Original" IDEAL SILO CORN

Reserved for our early customers, at a special price. Our own strain of Ideal Silo Corn which many have tried to imitate, but without success. Dozens of letters tell of filling silos with half the acreage of corn usually required, and of huge well matured ears in addition to big yields of ensilage. See catalog page 68 for full description and take advantage of our special offer.

Price: Peck, 55c; \$1.85
5 bus. at \$1.80 per bu. BU.

LOT "EVERLASTING" Variegated ALFALFA Grimm Type

From some of the oldest Alfalfa fields in northern Minnesota and Montana. For years it was sold as "Grimm," though since the fields have not been registered, it cannot be sold as such. It produces the same variegated blossoms and has the super-hardiness of Grimm. A real saving in cost to those who order early.

Peck, \$4.65; ONLY
1/2 bu., \$9.10;
100 lbs., \$18.00
\$29.85. BU.

Lot "Soil Builder" TIMOTHY AND ALSIKE CLOVER

This lot contains 20-25% finest quality Alsike Clover, balance Timothy. All Minnesota grown seed of highest purity and no noxious weeds. This is our most popular mixture and produces excellent permanent pasture. The hay is very leafy, of fine quality, richer in protein than Timothy alone, and relished by all livestock.

Price: 25 lbs., \$2.10; 50 lbs., \$3.95; 100 Lbs. only \$7.65

MINNESOTA-GROWN CLOVER

SUPER-HARDY—FREE FROM NOXIOUS WEEDS

(Bu. 60 lbs.)	% Purity	Peck	Bu. 100 Lbs.
Prices include sacks			
MEDIUM RED CLOVER			
Master Farmer Brand.....	99.00	\$3.55	\$13.65 \$22.50
Fancy.....	98.00	3.50	13.35 22.00
MAMMOTH CLOVER			
Master Farmer Brand.....	99.00	3.70	14.25 23.50
WHITE DUTCH CLOVER			
Master Farmer Brand.....	98.50	7.00	27.60 46.00
ALSIKE CLOVER			
Master Farmer Brand.....	99.00	3.05	11.55 19.00
Fancy.....	97.50	2.95	11.25 18.50
SWEET CLOVER, WHITE BLOSSOM			
Master Farmer Brand.....	99.70	1.45	5.25 8.50
Fancy.....	98.00	1.40	4.95 8.00
SWEET CLOVER, GRUNDY COUNTY			
Master Farmer Brand.....	99.60	1.45	5.25 8.50
Fancy.....	98.00	1.40	4.95 8.00
SWEET CLOVER, YELLOW BLOSSOM			
Master Farmer Brand.....	99.70	1.50	5.40 8.75
Fancy.....	98.00	1.45	5.10 8.25
SWEET CLOVER, HUBAM ANNUAL WHITE			
Master Farmer Brand.....	99.00	2.30	8.55 14.00

ALFALFAS—U. S. VERIFIED ORIGIN

(NOTE—Registered and State Sealed Grimm is put up in 30-lb., 50-lb. and 60-lb. Bags.)

	% Purity	Peck	Bu. 100 Lbs.
DAKOTA NO. 12, MINNESOTA GROWN			
Master Farmer Brand.....	99.00	\$4.70	\$18.15 \$30.00
Fancy.....	98.00	4.60	17.85 29.50
DAKOTA NO. 12, MONTANA GROWN			
Master Farmer Brand.....	99.25	4.70	18.15 30.00
DAKOTA NO. 12, IDAHO GROWN			
Master Farmer Brand.....	99.60	4.45	17.25 28.50
GRIMM—MINNESOTA STATE SEALED AND REGISTERED			
Blue Tag.....	99.50	5.90	22.95 38.00
GRIMM—MONTANA STATE SEALED AND REGISTERED			
Blue Tag.....	99.50	5.90	22.95 38.00
GRIMM—BLACKFOOT, IDAHO STATE SEALED AND REGISTERED			
Blue Tag.....	99.50	5.90	22.95 38.00
GRIMM—CANADIAN CERTIFIED NO. 1	99.50	5.60	22.35 37.00
VARIEGATED—MINNESOTA GROWN (Similar to Grimm)			
Master Farmer Brand.....	99.00	4.85	18.75 31.00
VARIEGATED—MONTANA GROWN (Grimm Type)			
Master Farmer Brand.....	99.00	4.85	18.75 31.00
COSSACK—MONTANA GROWN			
Master Farmer Brand.....	99.25	5.90	22.95 38.00
LADAK—IDAHO GROWN—"BLACKFOOT"			
Blue Tag.....	99.50	5.90	22.95 38.00
LADAK—CANADIAN CERTIFIED NO. 1	99.50	5.90	22.95 38.00

HARDY GRASSES

	25 Lbs.	50 Lbs.	100 Lbs.
Prices include sacks			
TIMOTHY (Bu. 45 lbs.)			
Master Farmer Brand.....	\$1.35	\$2.50	\$4.75
Fancy.....	1.30	2.35	4.50
TIMOTHY AND ALSIKE (Bu. 50 lbs.)			
20-25% Alsike.....	2.15	4.10	8.00
30-35% Alsike.....	2.55	4.85	9.50
BROMUS INERMIS—Fancy Northern Grown.....	4.65	9.10	18.00
REED CANARY GRASS			
Master Farmer, Minn. Grown, Registered.....	7.25	14.15	28.00
Fancy, Minn. Grown from Registered Seed.....	7.00	13.65	27.00
CRESTED WHEAT GRASS—Fancy Northern Grown.....	6.25	12.15	24.00
DOMESTIC RYE GRASS.....	2.25	4.15	8.00
ORCHARD GRASS.....	4.75	9.15	18.00
KENTUCKY BLUE GRASS			
Master Farmer.....	3.85	7.40	14.50
Fancy.....	3.75	7.15	14.00

	25 Lbs.	50 Lbs.	100 Lbs.
Prices include sacks			
CREeping BENT			
1 lb. 70c prepaid.....	\$16.25	\$31.50	\$62.00
MEADOW FESCUE.....	3.50	6.65	13.00
RED TOP			
Master Farmer Brand.....	3.60	6.90	13.50
Fancy.....	3.50	6.65	13.00
ALL SEASON PASTURE AND MEADOW			
MIXTURE.....	4.50	8.65	17.00
MIXTURE FOR LOW WET GROUND.....	4.50	8.65	17.00
NEW LEGUME GRASS MIXTURE			
1 lb. 35c prepaid.....	5.50	10.65	21.00
PERMANENT HOG PASTURE MIXTURE.....	4.35	8.40	16.50
ANNUAL HOG PASTURE MIXTURE.....	1.70	3.15	6.00
LAWN MIXTURES—See Page 1.			

MINNESOTA-GROWN SEED POTATOES

PRICES SUBJECT TO MARKET CHANGES—Bags Free. If wanted in barrels, add 25c per bbl. of 3 bushels.

SPRING SHIPMENT	Peck	Bu.	5 Bu.	SPRING SHIPMENT	Peck	Bu.	5 Bu.
Early White Gold, Certified.....	\$0.50	\$1.55	\$1.50	New Early Mesaba, Certified.....	\$0.55	\$1.75	\$1.70
Early Warba, Red River.....	.45	1.35	1.30	Chippewa, Certified.....	.50	1.55	1.50
Early Ohio, Red River.....	.45	1.35	1.30	Green Mountain.....	.45	1.35	1.30
Early Irish Cobbler, Red River.....	.45	1.35	1.30	Rural New Yorker.....	.45	1.35	1.30

YOU PAY NO SALES TAX WHEN YOU SEND YOUR ORDER TO US.

IF YOU WANT A SOIL CONSERVATION CERTIFICATE, ASK FOR IT ON YOUR ORDER.

FARMER SEED & NURSERY CO'S Blue Figure Price List

IMPROVED SEED GRAINS

Prices include sacks	Peck	Bu.	5 Bu. @	10 Bu. @
WHEAT (Bu. 60 lbs.)				
Thatcher, Rust Resistant, Registered.....	\$0.45	\$1.35	\$1.30	\$1.25
Hope, Rust Resistant.....	.40	1.10	1.05	1.00
Mindum Durum.....	.40	1.10	1.05	1.00
Minturki Winter, Registered.....	.45	1.30	1.25	1.20
SPELTZ OR EMMER (Bu. 40 lbs.).....				
	.35	.90	.85	.80
OATS (Bu. 32 lbs.)				
Minrus, Rust Resistant, Registered.....	.30	.80	.75	.70
Anthony, Rust Resistant, Registered.....	.35	.90	.85	.80
Iogold, Rust Resistant, Registered.....	.30	.80	.75	.70
Gopher, Rust Resistant, Registered.....	.30	.80	.75	.70
Iowa No. 105.....	.30	.70	.65	.60
Early Kherson.....	.30	.70	.65	.60
Iogold.....	.30	.75	.70	.65
Gopher.....	.30	.70	.65	.60
Minrus.....	.30	.75	.70	.65
BARLEY (Bu. 48 lbs.)				
Velvet, Registered.....	.35	.90	.85	.80
Wisconsin No. 38 Pedigree, Registered...	.40	1.00	.95	.90
Peatland, Registered.....	.40	1.00	.95	.90
SPRING RYE (Bu. 56 lbs.).....				
	.40	1.10	1.05	1.00
ROSEN WINTER RYE.....				
	.35	.95	.90	.85
FLAX (Bu. 56 lbs.)				
Bison, Rust and Wilt Resistant.....	.80	2.85	2.80	2.75
Red Wing, Rust and Wilt Resistant.....	.85	2.95	2.90	2.85
BUCKWHEAT (Bu. 50 lbs.)				
Japanese.....	.45	1.30	1.25	1.20
Silver Hull.....	.45	1.30	1.25	1.20

RAPE, CANE, SUDAN GRASS, MILLET

	10 Lbs.	25 Lbs.	50 Lbs.	100 Lbs.
RAPE				
Holland Grown—Extra Fancy.....	\$0.95	\$2.15	\$4.10	\$8.00
SUGAR CANE				
Minnesota Early Amber Sorghum.....	.50	1.05	1.85	3.50
Waconia Orange Sorghum.....	.50	1.05	1.85	3.50
Dakota Amber Cane, 39-30.S.....	.90	2.05	3.85	7.50
Fodder Cane, Minnesota Grown.....	.40	.85	1.50	2.75
SUDAN GRASS, Fancy.....				
	.65	1.35	2.40	4.50
SUNFLOWER SEED				
Mammoth Russian.....	1.05	2.10	3.90	7.50
MILLET				
Golden or German.....	.45	.90	1.60	3.00
Hungarian.....			Crop Failed	
Siberian.....	.45	.90	1.60	3.00
Japanese or Billion Dollar Grass.....	.45	.90	1.60	3.00
Hog or Broom Corn.....	.40	.85	1.50	2.75
Early Fortune.....	.40	.80	1.35	2.50
Turghai Proso.....	.50	1.00	1.75	3.25

FIELD PEAS, VETCHES

(Bu. 60 lbs.)	Peck	Bu.	100 Lbs.
CANADA YELLOW FIELD PEAS			
Early Chancellor, Registered.....	\$0.90	\$3.10	\$5.00
VETCHES, Hairy or Sand (Minn. Grown).....			
	1.80	6.70	11.00

SOY BEANS

(Bu. 60 lbs.)	Germ. %	Peck	Bu.	100 Lbs.
Habaro, Minnesota Grown, Registered.....	95.00	\$0.55	\$1.70	\$2.65
Habaro, Minnesota Grown.....	95.00	.50	1.65	2.55
Mukden, Minnesota Grown.....	95.00	.50	1.60	2.45
Mukden, Iowa Grown.....	95.00	.50	1.55	2.40
Manchu, Minnesota or Iowa Grown.....	95.00	.45	1.50	2.35

TREAT YOUR SEED CORN WITH BARBAK "C"

This Dependable Corn Seed Disinfectant Insures

1. Earlier planting:—Barbak-treated seed will not rot in cold, damp ground.
2. Increased germination and stand—
Barbak 111 disinfects and protects the plant past the seedling stage, allowing stored plant food in the seed to do its real job of growing.
3. Less root and stalk rots:—Barbak 111 has strong disinfectant qualities.
4. An increase in yield per acre:—At a cost of 2c per acre.
In many cases the increase in yield pays the harvesting costs.

Price: 2 oz. pkt., 1-bu. size, 15c postpaid. Not prepaid, 1-lb. tin (60 acre size), 75c; 5 lb. tin, \$3.25.

MINNESOTA-GROWN SEED CORN

All Certified Seed Corn in 1-bushel, 2-bushel and 2½-bushel State Sealed Bags.
See catalog for descriptions and adaptability of varieties. Pages 66-68.
Prices subject to market changes and stocks being unsold. State sealed and registered. Germination guaranteed 90% or better. (State Laboratory tests show 95%-98%.)
TERMS: Cash with order or a down payment of 25% or more will hold the corn until March 15, 1939.

MINNESOTA MASTER HYBRIDS

All Master Hybrid Seed comes to you already treated with Barbak. Hybrid small and round kernels will produce just as well as flat kernels—BESIDES—they are cheaper and plant more acres! Each bag of Small and Round Grades will be tagged, recommending proper plates for John Deere and International planters.

State Sealed and Registered

SPECIAL DISCOUNT for full remittance with early order.
(See coupon on catalog envelope).

	Peck	½ Bu.	Bu.
MINHYBRID 402 (85-90 Days) Flat Grade.....			
Small Grade.....	\$1.85	\$3.50	\$6.75
Round Grade.....	1.35	2.50	4.75
MINHYBRID 401 (95-100 Days) Flat Grade.....			
Small Grade.....	2.05	3.85	7.25
Round Grade.....	1.50	2.75	5.25
MINHYBRID 301 (105-110 Days) Flat Grade.....			
Small Grade.....	1.90	3.60	7.00
Round Grade.....	1.65	3.10	6.00
MINHYBRID 403 (105-110 Days) Flat Grade.....			
Small Grade.....	2.10	4.00	7.75
Round Grade.....	1.85	3.50	6.75
MASTER HYBRID NO. 2 (110 Days) Flat Grade.....			
	1.60	3.00	5.75
			Sold Out

WISCONSIN MASTER HYBRIDS

State Sealed and Registered. (Also in ½ Bu. Bags)

	Peck	½ Bu.	Bu.
WISCONSIN 85, 90, 95, 100, 105 Day			
Flat Grade. Your Choice.....	\$2.05	\$3.85	\$7.50
Small Grade.....			Sold Out
Round Grade (90 and 105 Days only).....	1.55	2.85	5.50
WISCONSIN, 110 Day, Flat Grade.....			
Small Grade.....	1.80	3.35	6.50
Round Grade.....	1.55	2.85	5.50
HYBRID SILO CORN, Flat Grade.....			
Small Grade.....	1.30	2.35	4.50
Round Grade.....	1.40	2.60	5.00
	1.15	2.10	4.00

OPEN POLLINATED SEED CORN

Registered—Germination 95-98%

	Peck	Bu.	5 Bu. @
Golden Jewel, Flat Grade.....	\$0.70	\$2.30	\$2.25
Early Murdock, Flat Grade.....	.70	2.30	2.25
Minn. No. 13, Large Type, Flat Grade.....	.70	2.30	2.25
Minn. No. 13, Central Strain, Flat Grade.....	.70	2.30	2.25
Minn. No. 13, Haney's Strain, Extra Early, Flat Grade.....	.70	2.30	2.25
Golden King, Flat Grade.....	.70	2.30	2.25
Minn. Ideal, Flat Grade.....	.70	2.30	2.25

Butts and Tips from Registered Seed

Separate Straight Varieties—Germination 95-98%

Golden Jewel—Early Murdock.....	\$0.45	\$1.35	\$1.30
Minn. No. 13, Large Type.....			
Minn. No. 13, Central Strain.....			
Minn. No. 13, Haney's Strain.....			
Golden King—Minn. Ideal.....			
Rustler White.....			

OPEN POLLINATED SEED CORN

Not Registered—Germination 95-98%

	Peck	Bu.	5 Bu. @
Golden Jewel, Flat Grade.....	\$0.65	\$2.15	\$2.10
Early Murdock, Flat Grade.....	.65	2.15	2.10
Minn. No. 13, Large Type, Flat Grade.....	.65	2.15	2.10
Minn. No. 13, Central Strain, Flat Grade.....	.65	2.15	2.10
Minn. No. 13, Haney's Strain, Extra Early, Flat Grade.....	.65	2.15	2.10
Golden King, Flat Grade.....	.65	2.15	2.10
Minn. Ideal, Flat Grade.....	.65	2.15	2.10
Rustler White Dent, Flat Grade.....	.65	2.15	2.10

MINNESOTA-GROWN FLINT CORN

	Germ. %	Peck	Bu.	5 Bu. @
Rainbow Flint.....	95	\$0.70	\$2.30	\$2.25
King Philip.....	95	.70	2.30	2.25
Smut Nose.....	95	.70	2.30	2.25

SILAGE AND FODDER CORN

	Germ. %	Peck	Bu.	5 Bu. @
F. S. & N. Co. Ideal Silo, Registered.....	96	\$0.60	\$2.05	\$2.00
Evergreen Sweet Fodder Corn.....	90	.70	2.40	2.35
Early Yellow Dent Fodder.....	95	.35	1.05	1.00
Large Yellow Dent Fodder.....	95	.35	1.05	1.00

USE ORDER BLANK IN BACK OF CATALOG

IF YOU WANT A SOIL CONSERVATION CERTIFICATE, REQUEST IT WHEN ORDERING

Our 51st Year

of Service

The Master chose a basic law of nature when He said, "As Ye Sow So Shall Ye Reap."

Nature's laws are never repealed—it always has been true and it always will be true that a good harvest depends on the sowing of good seed.

There is good seed—fair seed—and poor seed. For 51 years the Farmer Seed & Nursery Company has been dedicated to the task of furnishing good seed only, and has followed closely the new developments of the Experiment Stations.

Buy "Master Farmer" seeds, and you are assured of good seed.

We sincerely hope that farmers everywhere will reap a good harvest and enjoy a prosperous 1939.

FARMER SEED & NURSERY CO.

E. J. Kickenapp, President



— ORDERING MADE EASY —

Important

Keep a copy of your order and check it when it arrives.

Write your name and address plainly.

Sending money. Postoffice money orders, bank drafts or express money orders are always safe. Stamps up to \$1.00 are acceptable. Never send cash in a letter unless registered. Doing so will be at your own risk.

Please do not send checks under \$1.00—send cash or stamps. Allow 10c exchange on all checks to cover charges by banks. We will include extra seeds to adjust.

Our Guarantee

We sell dependable, carefully tested seeds. Should failure result from the fault of the seeds we will refund your money.

Seeds, trees, bulbs and plants are subject to climatic conditions over which we have no control. Therefore, we will not be responsible for the crop, or for more than the price paid. In case of error prompt adjustments will be made.

Parcel Post Rates

Packages weighing 70 pounds can be sent to all zones. Ten pounds or more beyond the 5th zone usually go cheaper by express.

Zone	Distance up to	For First Pound	Each Pound, Additional
1st & 2nd	150 miles	8c	1c
3rd	150-300 miles	9c	2c
4th	300-600 miles	10c	4c
5th	600-1,000 miles	11c	6c
6th	1,000-1,400 miles	12c	7c
7th	1,400-1,800 miles	14c	9c
8th	over 1,800 miles	15c	11c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul.

FREIGHT AND EXPRESS SHIPMENTS. State whether you want freight or express shipment made. If yours is a prepaid station, full transportation charges must be sent with the order.

Perishable Items

POTATOES, ONIONS, BULBS, PLANTS AND NURSERY STOCK are shipped when weather conditions permit, and customers are then notified of shipments. Should a shipment reach you in bad condition, notify us at once. Have agent make notations on your receipt. If yours is a prepaid station, full transportation charges must be sent with the order.

C. O. D. Service

For your convenience we offer to ship garden seeds C. O. D. Simply pay the postman or express company the amount due, on delivery, plus a small charge for returning the remittance. For farm seeds or perishable articles such as potatoes, bulbs or nursery stock, send at least 25% of the amount due with the order.

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F. S. & N. Co.

Lawn Seed

30 DAY Lawn Seed

Ideal for quick results. A mixture of finest quick-growing, and permanent grasses. Will establish a luxuriant lawn in 30 to 40 days under normal conditions. Contains quality Kentucky Blue Grass, White Dutch Clover, Rye Grass and Red Top. Price: 1 lb. 30c, 5 lbs. \$1.35, prepaid.—Not prepaid, 25 lbs. \$5.75, 100 lbs. \$22.00.

30c POUND postpaid

Lawn Fertilizers page 74

New Weed Killer for Lawns page 74

Sow 1 pound of Seed per 250 sq. feet of Lawn

GARDEN CITY Lawn Seed

Our popular high quality mixture for general use. Contains choicest grasses, roots deeply, and withstands severe drought. Consists chiefly of Kentucky Blue Grass, Red Top and White Clover. Price: 1 lb. 35c, 5 lbs. \$1.60, prepaid.—Not prepaid, 25 lbs. \$6.75, 100 lbs. \$25.00.

35c POUND postpaid



White Lawn Clover

The little three and four-leaf White Dutch Clover especially fine for lawns. Makes a close, compact growth and covers the ground like a carpet. Quick growing, thrives on any soil. Ideal on sandy soil and in hot sunny spots where grass fails to grow. Enriches the soil. Price: 1/2 lb. 30c, 1 lb. 55c, 5 lbs. \$2.50, prepaid.

SHADY NOOK Lawn Seed

A mixture of hardy, quick growing grasses that thrive in shady places. Ideal for patching up the lawn, filling in barren places under trees, and on north side of house. Price: 1 lb. 45c, 5 lbs. \$2.00, prepaid.—Not prepaid, 25 lbs. \$9.00.

45c POUND postpaid

FREE! Lawn Booklet

Tells how to build and maintain new lawns, rejuvenate old lawns—Bent lawns etc. Ask for it.

CREeping BENT Lawn Seed

Makes fine, dense, firm turf. Ideal for lawn, terraces, and putting greens. Makes compact sod due to its spreading habit. Eventually crowds out other grasses. Price: 1 lb. 75c, 5 lbs. \$3.50, prepaid.

75c POUND postpaid

Free! While they Last—A Spike Lawn Sprinkler with a \$1.00 Lawn Seed Order—Ask for It!

NORTHERN GROWN VEGETABLE SEEDS



A partial view of our trial gardens on U. S. Highway 65, at the north city limits of Faribault. Visitors are always welcome.

Asparagus Seed and Roots

CULTURE—Sow one ounce of seed to 100 feet of drill. Five pounds to the acre. Sow in drills one foot apart and one inch deep. Keep soil mellow. Thin plants to four inches apart, transplant the following year to a permanent bed. Asparagus culture leaflet free.

5. WASHINGTON RUST PROOF ASPARAGUS—The leading variety grown by market gardeners—rust resistant, producing large, straight shoots; tips of dark green color. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.00, prepaid.

ASPARAGUS ROOTS—Washington rust proof variety: 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid. Culture free. See page 25 for complete description and quotations.

Green Pod Bush Beans

Cultural Directions on Page 3

21. TENDERGREEN STRINGLESS—(54 days.) A new bean so tender and snappy it fairly melts in your mouth! Excellent for home garden or market. Pod: 6 inches long, round fleshy, dark green, stringless and of fine quality. A very heavy yielder. Seed: brown, blotched with light fawn. (See front cover.) Mammoth pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.50.

22. GIANT STRINGLESS GREEN—(54 days.) This mammoth green pod is a money-maker, and a heavy yielder which stands dry weather. A good shipper and an excellent cooker. Pod: 6½ inches long, round, meaty, strictly stringless and brittle, of attractive green color. Seed: oval, yellowish brown. Mammoth pkt. 5c, ½ lb. 15c, lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

25. BURPEE'S STRINGLESS GREEN—(52 days.) Gardeners and canners like this stringless and fiberless bean for its excellent quality. It sells readily on the market, and for cut beans for canning, it can't be beat. Pod: 6 inches long, medium green, round. Seed: coffee-brown. Mammoth pkt. 5c, ½ lb. 15c, lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.



➔
A Dish
of
Delicious
**TENDERGREEN
BEANS**
(No. 21)

27. BOUNTIFUL—(49 days.) A bountiful yielder of delicious, extra early, green, stringless beans. For home garden and for early market, Bountiful is unsurpassed. Pod: 6¾ inches long, flat, stringless and of fine quality. Seed: yellow straw color. Mammoth pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.50.

PLANT A
GARDEN
THIS
YEAR!



Leading Dealers in the
Northwest
Sell Our Standard Varieties
of Garden
and Flower Seeds

Look for the Faribault Seed Case at
Your Dealers.

In 1939
Your
Vegetable
Garden
Will Give
You Credit on
Government
Soil Con-
servation
Payments

(See Your
County Agent.)

Be Sure to
**Inoculate
Garden Beans**

For bigger yields and better quality crops we recommend McQueen's Inoculator. The small extra cost is repaid tenfold. McQueen's Garden Size Inoculator (treats 4 lbs. garden beans). Pkt. 10c, prepaid. Market Grower Size Inoculator (treats 30 lbs. garden beans). Pkt. 20c, prepaid.



In ordering state if wanted for Peas or Beans.

**Wax-
Podded
BUSH**

BEANS

**SNAPPY-
TENDER-
BUTTERY**



9. Tender Faribault Brittle Wax

15. SURE CROP STRINGLESS WAX — (53 days.) Particularly favored by truckers and shippers. Resistant to blight and rust, exceptionally hardy and vigorous even in dry sections. Bears heavily. Pods are 6½ inches long, golden yellow, flat, brittle, strictly stringless, of fine texture and quality. Seeds are oval, jet black. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

16. UNRIVALLED ROUND POD WAX — (52 days.) Very popular among our market gardener trade. Pods are 5½ inches long. Attractive deep yellow, thick, flat, brittle, stringless when young. Plant is dwarf, erect, stocky, very productive. Seeds are small, oval, glossy golden brown. Mammoth pkt. 5c, ½ lb. 17c, 1 lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.50.

Pole or Runner Beans

One pound plants 200 hills. Plant in hills 3 feet apart each way, sowing 4 to 6 beans to a hill. Stake with poles 7 feet high.

60. KENTUCKY WONDER—(65 days.) (Old Homestead.) The most popular pole bean grown. A splendid canner. Will bear heavily all summer if kept picked. Pods are 8 inches long, silvery green, practically round, of good quality and very brittle. A strong climber—ideal for planting in cornfields. Seeds are buff brown. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

SCARLET RUNNER—(See page 52).

FARM BEANS FOR BAKING

30. RED KIDNEY OR CHILI BEAN—(95 days.) Everyone likes the delicious, tangy flavor of hot Mexican Chili Con Carne! It has become a favorite American snack or supper dish, made with red kidney beans, introduced from Mexico. Anyone can grow these delicious red Chili Beans. They are of excellent quality for dry bean use. Pods: 6 inches long, flat, waxy green. Seeds: reddish brown. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

42. NEW NORIDA BAKE BEAN — Developed by the University of Idaho as the result of a cross between Great Northern and Robust. It matures earlier than either parent and is resistant to common bean diseases. The bean is white, more flat than round, and of delicious flavor and baking quality. Pkt. 5c, ½ lb. 15c, 2 lbs. 40c, 5 lbs. 90c, prepaid.

40. GREAT NORTHERN—The most delicious baking bean grown. Far better for baking and cooking than any navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger than common navy beans. Mammoth pkt. 5c, ½ lb. 12c, 1 lb. 20c, 2 lbs. 35c, 5 lbs. 80c, prepaid.—Not prepaid, 10 lbs. \$1.10.

41. ROBUST NAVY—Plants are of decidedly robust growth. Beans are clear white. Mammoth pkt. 5c, ½ lb. 12c, 1 lb. 20c, 2 lbs. 35c, 5 lbs. 80c, prepaid.—Not prepaid, 10 lbs. \$1.10.

9. FARIBAULT BRITTLE WAX—(52 days.) The finest in Wax Beans. An abundant yield of tender, succulent, buttery-flavored beans. Ideal for home use and for canning. An excellent winter shell bean. Pods are 6 inches long, attractive lemon yellow color, and absolutely stringless. Seed is white, kidney-shaped with black eye. (See front cover.) Mammoth pkt. 8c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. \$1.60.

10. TOP NOTCH GOLDEN WAX—A new wax bean resembling Improved Golden Wax, but superior in quality and yield. The pods run about 6 inches long, stringless, of rich yellow color, nearly flat and broad. The seed resembles Golden Wax but the pods run about an inch longer and are absolutely stringless with less fiber than the old-fashioned Golden Wax. The maturity is a few days later. Mammoth pkt. 5c, ½ lb. 17c, 1 lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.50.

11. PROLIFIC BLACK WAX — or Butter Bean—(51 days.) A good, medium early home and market garden sort. A heavy producer over a long period. Rust-proof and of fine quality. Pod is 5¼ inches long, round, fleshy, deep golden yellow color, and of appetizing flavor. Seeds are small oval, solid black. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

12. BLACK PENCIL POD WAX—(52 days.) A favorite money-maker for the gardener. Vigorous, productive and of appetizing flavor. Pods are 6¾ inches long, round, fleshy, golden yellow, tender, absolutely stringless, brittle and of finest quality. Seeds are oblong, solid black. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

13. IMPROVED GOLDEN WAX—(49 days.) Exceptionally hardy and rustproof. Pods are 4¾ inches long, flat, creamy-yellow in color, stringless, and of good quality. Seeds are oval, white with mottling of violet and light yellow around eye and ends. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

19. EARLY WONDER WAX — (40 days.) The ideal wax bean for early market, and first on the dinner table. Extremely early and resistant to rust, a very heavy yielder. Pods are 6½ inches long, clear waxy yellow, plump, tender, brittle, of fine texture and very meaty. Plant is large, strong, productive. Seeds are yellow. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 27c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 10 lbs. \$1.40.

1 lb. plants 50 foot row.

CULTURE—Beans should be sown after May 15th, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often. Do not walk through or pick beans when wet with dew or rain.



19. Early Wonder Wax.

LIMA OR BUTTER BEANS

**Plenty of "Dry Shell" Beans
Saves Grocery Bills**

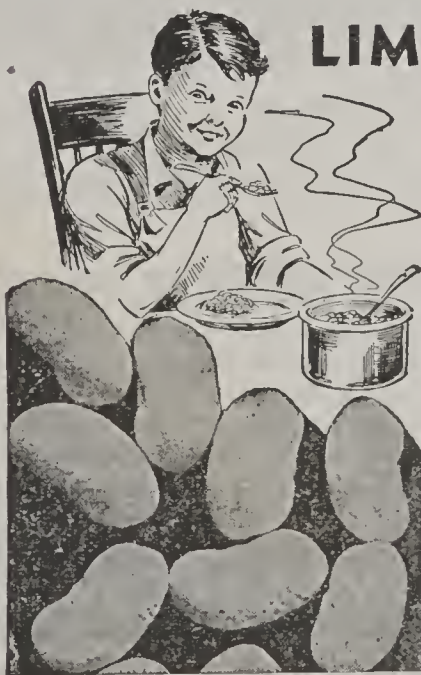
CULTURE—Bush Limas should be planted in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant about 3 inches deep. One pound will plant 50 ft. of row.

50. FORDHOOK BUSH LIMA—(75 days.) The most popular large seeded Dwarf Lima among market growers. It supplies many dinner tables with big, plump, buttery beans of delicious flavor. Pods are 4½ inches long, 1 inch wide; contain 3 to 4 seeds. Green shell beans; large thick oval, of excellent quality. Seeds are white with tinge of green. Mammoth pkt. 8c, ½ lb. 17c, 1 lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.

51. BURPEE'S IMPROVED BUSH LIMA—(75 days.) Of excellent quality and luscious flavor. Pods are 4 inches long, 1¼ inches wide; contain 4 to 5 seeds. A heavy yielder. Seeds are large, plump, flat, slightly wrinkled; white with greenish tinge. Mammoth pkt. 8c, ½ lb. 17c, 1 lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.

52. HENDERSON BUSH LIMA—(68 days.) Produces small, flat, green shell beans of excellent quality. Very early and fine for canning. Pods are 3½ inches long with 3 to 4 seeds. Plant is small, bushy. Seeds and dry beans, creamy white. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 25c, 2 lbs. 45c, 5 lbs. 95c, prepaid.

53. NEW HOPI INDIAN LIMA—Plant seed early. A small, hardy, vining Lima that matures anywhere in the United States. Of delicious flavor and an abundant yielder. Ideal for making succotash or as a green-shelled Lima, or as a dry bean. It can be grown on any well drained soil with or without trellis. Mammoth pkt. 5c, ½ lb. 15c, 1 lb. 25c, 2 lbs. 45c, 5 lbs. 95c, prepaid.



Great Northern Tasty Bake Beans.

**RICH
RED**

Table Beets

**TENDER
and
DELICIOUS**

Sow 1 oz. to 80 ft. of row—6 lbs. per acre.

CULTURE—The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of July; when the plants are large enough, thin out to stand six inches apart.

For the home garden, Crimson King and Early Winesap are the most tender early beet; Detroit Dark Red and Ohio Canner are the best main crop sorts.

83. EXTRA EARLY WINESAP—(54 days.) The first beet on the family dinner table. Winesap combines excellent quality, flavor and tenderness with its exceptional earliness. Roots are semi-globular, deep rich crimson with small taproot. Flesh is fine grained, sweet and tender. Tops are medium small. (See front cover.) Pkt. 8c, oz. 15c, 1/4 lb. 35c, lb. \$1.00, prepaid.

84. EARLY WONDER—(54 days.) First on the early market. A splendid shipping variety. Similar in quality to Winesap. Roots are blood red with small taproot. Flesh is blood red with lighter zones, tender and of good quality. Tops are medium small. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 85c, prepaid.

87. CRIMSON KING—The darkest red beet we know of. The smooth, globular roots grow to a diameter of 3 1/2 to 4 inches, with small tops and taproots. It's a delicious, tender beet with a deep maroon interior color and complete absence of zoning. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 90c, prepaid.

88. OHIO CANNER—(Good for All). The absence of lighter zones, the smooth symmetrical form and superior color make this one of the most perfect canning and pickling beets yet developed. Also splendid for market growing and table use. Roots are uniformly round, small taproot. Flesh is intense deep blood red, with no trace of lighter rings. Tops are small, dark. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 90c, prepaid.



85. DETROIT DARK RED—(62 days.) The outstanding late variety for truckers, produce shippers, canners and home gardeners. A most popular, real quality beet. Roots are globular, smooth, uniform, attractive, with small taproot. Flesh is deep oxblood red, with indistinct zones. Splendid quality, sweet and tender, without any trace of woodiness. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. 90c, prepaid.



85.
Detroit
Dark Red.
The Finest
All-Purpose
Beet.

When young it is
ideal for Canning
or Pickling Whole.

MANGEL BEETS

An ounce will sow 100 feet of drill, 5 lbs. will sow an acre.

Mangels are of high feeding value for all livestock. They keep hens healthy, and stimulate egg production. Feed at the rate of 25 lbs. to 100 hens per day, with grain.

CULTURE—Sow at corn planting time—in drills 2 to 2 1/2 feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil it must be planted 1 1/4 to 1 1/2 inches deep. Thin out to stand 8 inches apart in row.

105. MINNESOTA GOLDEN TANKARD—The best yellow mangel in cultivation. Has a high sugar content, is a heavy cropper and easily harvested. Roots are large, nearly cylindrical, partly above ground; skin orange. Flesh yellow.

106. MAMMOTH LONG RED—The best cropper of all. Yields from 20 to 30 tons per acre. High feeding value and exceptional quality. Roots extremely large, tapering, grow half above ground; skin light red. Flesh is white with rose tinge.

108. GIANT SLUDSTRUP—A very high yielder. Roots are long, oval, orange colored. Flesh is white with yellow tinge; high in feeding value.

109. GIANT HALF SUGAR—Roots are long, oval, white with light bronze-green shoulder. Flesh is white, rich in sugar; a good feeding sort.

115. SUGAR BEET. KLEIN WANZLEBEN—The most popular variety for sugar manufacture on account of high sugar content; also good for stock feed. Roots are long, with white skin and flesh.

PRICES on all Mangels: Oz. 8c, 1/4 lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 40c per lb., 10 lbs. at 35c per lb. Ask for prices on larger lots.

SWISS CHARD - Greatest of All Summer Greens

Swiss Chard produces more food than any other vegetable, in proportion to the space required. The leaves are used for greens and are of much milder flavor, and more delicate texture, than spinach. It will produce a constant crop from early summer until winter. Cook like asparagus.

98. SWISS CHARD—(55 days.) Greatest of all summer greens. A variety of beet grown for its leaves. They may be used just as Spinach. Constant crop from July until winter. It makes good poultry feed, too. Of exceptionally tender quality and good flavor. Rich in vitamins. Leaves are heavily crumpled. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 90c, prepaid.



98.

Swiss Chard

—Rich in vitamins.

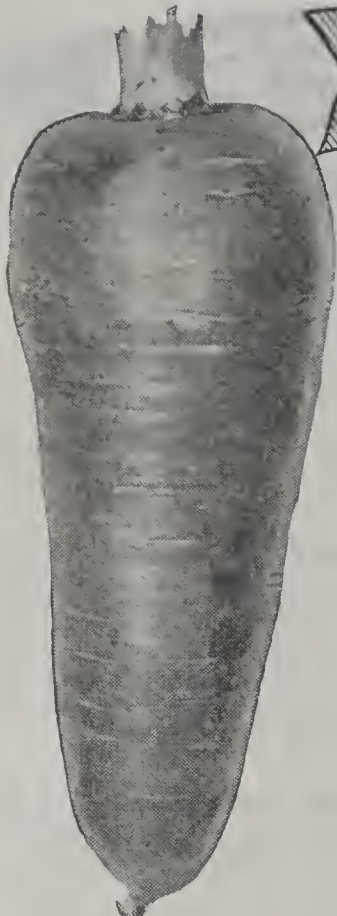
NOVELTIES—"worth fussin' with!"

BRUSSELS SPROUTS

70. A delicious vegetable for winter use, of mild, cabbage flavor. Tall stems are covered with firm, tiny, cabbage-like sprouts. Cook the small heads and serve with butter or a cream sauce. Start seed indoors, same as cabbage. Transplant to garden in May. Pkt. 8c, oz. 20c, 1/4 lb. 75c, prepaid.

BROCCOLI

80. ITALIAN GREEN SPROUTING—A novelty of the cauliflower family which after the first head has been harvested, produces branching sprouts on which are small loose heads 2 inches in diameter. They have a delicate flavor and are most delicious. Pkt. 8c, 1/2 oz. 20c, oz. 30c, 1/4 lb. \$1.00, prepaid.



One ounce of seed will sow 100 feet of row, three to four pounds per acre.

CULTURE — The carrot is one of the most nutritious and healthful roots, and should be more generally used for the table as well as for stock feeding purposes. Will grow in any soil; sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart covering about one-half inch. The plants should be thinned to two, three, or even four inches apart in rows.

Tasty-Tender

TABLE CARROTS

171. DANVER'S HALF LONG—(75 days.) A most popular and reliable carrot for home and market gardening. Easily harvested, a good keeper and an excellent shipper. Roots: 7 inches long, tapered to a blunt end. Flesh: bright orange, tender and of a good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.

170. F. S. & N. CO'S SUPERIOR MARKET—(76 days.) The finest shipping carrot in cultivation. Its attractive bunching appearance makes Superior Market sell on sight. Roots: 8 inches long, 2 inches thick at top; with sloping shoulder, tapered to a semi-blunt end, very uniform. Flesh: rich orange color, fine grained, scarcely noticeable core, tender, and of delicious flavor. Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid.

MARKET GROWERS:
Ask for Special Price List.

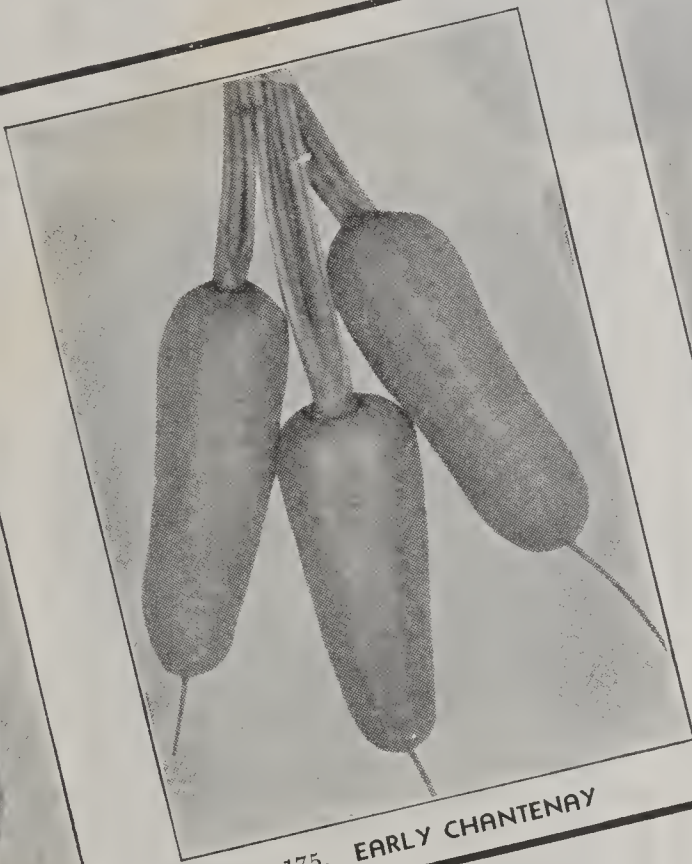
176. NEW STREAMLINER—A modern bunching carrot of such handsome proportions it has become a leading profit maker "overnight" for shippers and market growers. Tops short, dark green, with strong stems. Roots: 10 inches long, slender, nearly cylindrical, grow completely underground. Color very deep orange with small, red core. (See inside back cover.) Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.25, prepaid.

172. NANTES CORELESS HALF LONG—(69 days.) Customers who do not like ordinary carrots are delighted with these. They have a distinct flavor and tenderness all their own, and when half grown they are a rare delicacy on any table. Roots: 6 inches long, bright orange, cylindrical, blunt ended. Flesh: reddish-orange, crisp, tender, and of very delicate flavor; practically coreless. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c, prepaid.

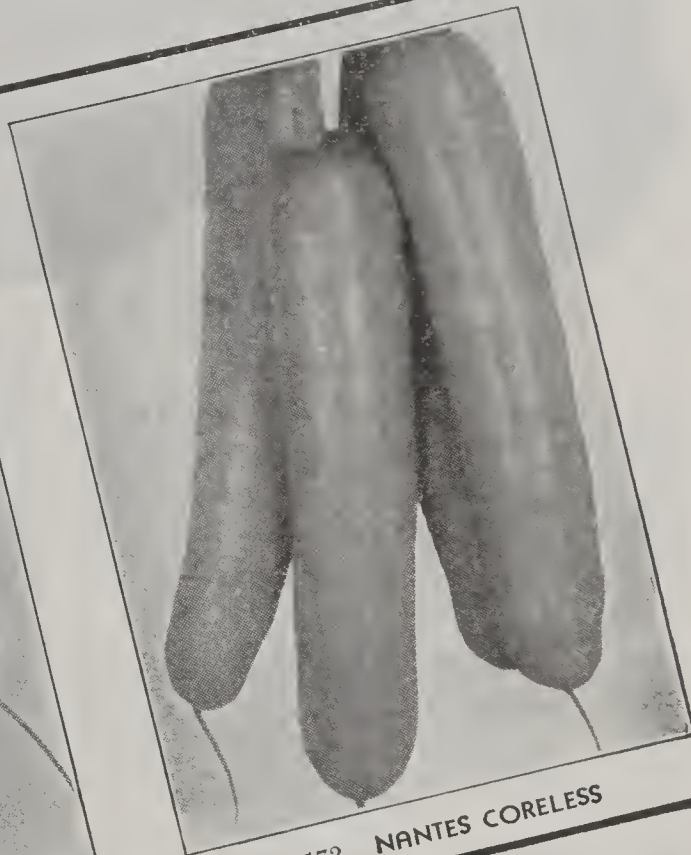
171. Danvers Half Long.
A heavy yielder and fine keeper.



176. NEW STREAMLINER



175. EARLY CHANTENAY



172. NANTES CORELESS

CARROTS for Stock Feeding

Easily Grown. Heavy Yields.

Sow seed in drills 3 feet apart, using about 4 pounds per acre. Large yield from small pieces of ground. Tonnage per acre enormous.

185. YELLOW BELGIAN—(95 days.) A heavy cropper, easily harvested. Best results in deep soil. Sow 4 pounds to the acre. Roots: 10 to 14 inches long, 3 to 4 inches thick at top; skin: green above ground, pale yellow below. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 20c, lb. 60c, prepaid.

175. EARLY CHANTENAY OR MODEL—(71 days.) An excellent all-purpose, medium-early variety, desirable for home and market garden, and for canning diced carrots. Roots: 6 inches long, deep orange, smooth tapered, stump rooted. Flesh: deep orange with indistinct core. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.

174. OXHEART OR GUERANDE—(72 days.) Desirable for home use, prolific and a good keeper. When fully mature used for stock feeding. Excellent table quality when young. Roots: 4 to 5 inches long, 2½-inch shoulder; bright orange, thick, blunt-ended, heart shaped. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, prepaid.

173. IMPERATOR—(77 days.) A truly outstanding type for market and shipping. Tops medium, but strong enough for good bunching. Roots: 8 inches long, 2-inch sloping shoulder; uniformly tapered to semi-blunt end. Flesh: rich orange color, extending to center, with indistinct core; fine grained, and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c, prepaid.



170. F. S. & N. Co. Superior Market—
sells on sight.

FINEST *American and Danish Grown* CABBAGE SEED

One ounce will produce about 2,500 plants. 1/4 oz. of seed for 50 ft. row.

PLANTS!
FROSTPROOF
AND
TRANSPLANTED
CABBAGE
PLANTS
On Page
25.



121.
EARLY
JERSEY
WAKEFIELD

The best way to start cabbage, especially the early sorts, is in hotbeds, flats, or in a greenhouse. Sow the seed 3/4 inch deep, in carefully prepared rich garden soil. Seed usually germinates in 5 to 10 days. When ready to transplant, set into paper pots or plant bands, in flats, until time to set outdoors. The plants can then be set out without disturbing the roots, and the paper bands form the best protection against cutworms. Set in rows 2 feet apart, 20 inches apart in the rows.

Late cabbage may be sown in the open, in rows, and transplanted when 4 to 6 inches high.



Early Cabbage

121. EARLY JERSEY WAKEFIELD—(62 days.) Extra early small plants with short stems—permitting close setting in the row, and hard, compact pointed heads of splendid quality. A valuable addition to home or market garden. Head: 5 inches thick, weighs 2 to 2 1/2 lbs., small, compact, conical, 7 inches long. Pkt. 5c, oz. 20c, 1/4 lb. 50c, lb. \$1.90, prepaid.

138. EXTRA EARLY GOLDEN ACRE—(63 days.) This is the earliest round headed cabbage. A Copenhagen type, but a week earlier than Copenhagen Market. Of high quality. Golden Acre is the most profitable sort on the early market. Head: 6 inches thick, weighs 3 lbs., small, round and solid. Stem, short. Pkt. 5c, oz. 20c, 1/4 lb. 65c, lb. \$2.25, prepaid.

126. GLORY OF ENKHUIZEN—(75 to 80 days.) A second early sort particularly valuable for kraut. A good shipper. Head: 8 inches thick, weighs 5 to 8 lbs., large, round, solid, with few outer leaves, of excellent quality. Stem: medium short. Pkt. 5c, oz. 20c, 1/4 lb. 60c, lb. \$2.00, prepaid.

133. EARLY DWARF FLAT DUTCH—(71 days.) A fine medium early sort and a dependable header for market or home garden. It will withstand heat, is noted for flavor and tenderness, and is a fine keeper. Head: 8 inches thick, weighs 4 to 5 lbs., nearly round, solid and of good quality. Stem: short. Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.60, prepaid.

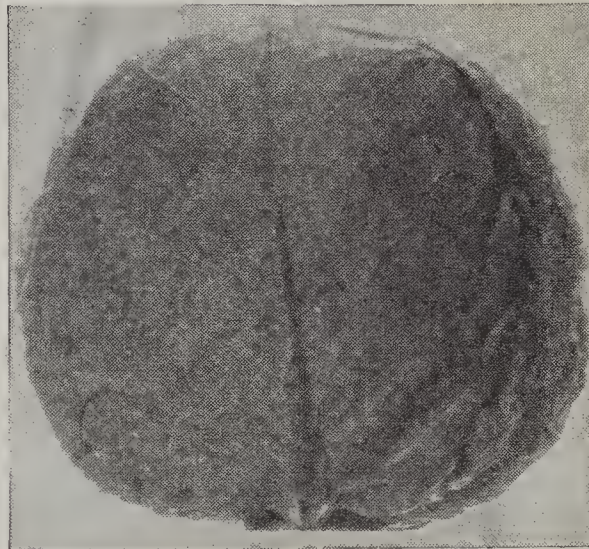
136. EARLY COPENHAGEN MARKET—(68 days.) Very early and of uniform maturity, compact plants, and of excellent quality. Splendid for early market and shipment. Valuable as an early kraut variety and a good home garden sort. Head: 6-7 inches thick, weighs 3 1/2 to 4 lbs., round, solid and of superior quality. Stem: short. Pkt. 5c, oz. 20c, 1/4 lb. 50c, lb. \$1.75, prepaid.

Late Cabbage

142. PENN STATE BALLHEAD—(110 days.) Developed by Penn State College of Agriculture. This late cabbage is the heaviest yielder and the most uniform of all. Especially desirable for winter storage and for kraut. Heads: Large, attractive, flattened globe-shape. Extremely hard. Weighing 15-20 lbs. each. Shows resistance to blackleg. Pkt. 8c, oz. 25c, 1/4 lb. 70c, lb. \$2.50, prepaid.

144. PREMIUM LATE FLAT DUTCH—(100 days.) Slow growing, sure heading, of immense size and splendid quality. A favorite for market growing or for winter storing. Head: 10 to 12 inches thick, 7 inches deep, weighs 12 to 14 lbs.; extremely large, flat and solid. Pkt. 5c, oz. 20c, 1/4 lb. 50c, lb. \$1.75, prepaid.

141. DANISH ROUNDHEAD—(95 days.) An early, short-stemmed strain of Danish Ballhead. In yield, head size and quality it is similar to Danish Ballhead, however, it is 10 days earlier and has a shorter stem. Pkt., 5c; oz. 20c, 1/4 lb. 65c, lb. \$2.25, prepaid.



135. MARION MARKET (Yellows Resistant)

DIRECT from DENMARK
Home of Finest Strains of
Cabbage Seed

140. DANISH BALLHEAD (TRUE HOLLANDER)—(105 days.) The finest late cabbage grown. The head is of an attractive white color, does not burst, and of exceptional flavor, crispness and tenderness. It survives both cold and dry-hot weather. Keeps throughout the winter. For shipping, storage or kraut—it is unsurpassed. Head: 8 inches thick, weighs 6 to 7 lbs., round and extremely solid. Pkt. 5c, oz. 20c, 1/4 lb. 65c, lb. \$2.25, prepaid.

152. MAMMOTH RED ROCK—(98 days.) The largest and best of the red cabbages. Of superior quality and an excellent keeper. Head: 7 inches thick, weighs 7 to 8 lbs., round, extremely hard, color purplish red. Pkt. 5c, oz. 20c, 1/4 lb. 65c, lb. \$2.25, prepaid.

Red Cabbage

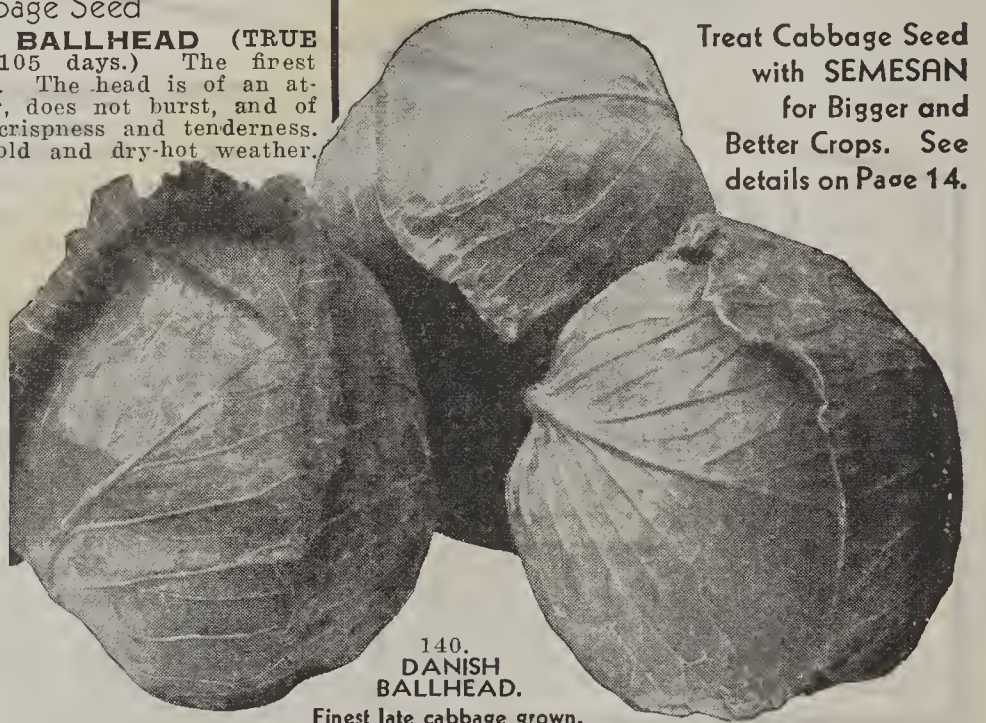
Yellows Resistant Sorts

134. HOLLANDER, WISCONSIN NO. 8—(100 days.) A splendid late cabbage for storage, shipment and kraut manufacture. A heavy yielder on land infested so badly with yellows disease that other varieties fail completely. Head: 8 inches thick, weighs 8 lbs., large, almost globe shaped, very firm. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.50, prepaid.

137. WISCONSIN "ALL SEASONS"—(90 days.) An excellent kraut and winter keeping sort—valuable in areas infested with "Cabbage Yellows"—also resistant to wilt and will survive heat and drought. Head: 11 inches thick, 8 inches deep, weighs 9 to 10 lbs. Pkt. 5c, oz. 25c, 1/4 lb. 80c, lb. \$3.00, prepaid.

NEW EARLY DISEASE RESISTANT CABBAGE

135. MARION MARKET—(75 days.) Also known as Wisconsin Copenhagen as it is the Yellows Resistant strain of Copenhagen Market which matures early and uniformly. The round solid head averages 7 inches thick, weighs 4 pounds, has short stem. Good for early kraut. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.50, prepaid.



140.
DANISH
BALLHEAD.
Finest late cabbage grown.

Treat Cabbage Seed
with SEMESAN
for Bigger and
Better Crops. See
details on Page 14.

Finest Danish Grown Cauliflower

One ounce of seed will furnish 2,500 to 3,000 plants.

CULTURE: Sow the seed in flats or hotbeds, in a rich soil composed of equal parts of garden soil, leaf mould, and sand. Seed may be started in February or March. Transplant to other flats, or to paper pots, when the plants are 2 or 3 inches high. Set outdoors as soon as weather permits, 2 to 3 feet apart each way. The soil should be rich, containing plenty of humus matter and moisture. While the heads are form-

ing, water freely, and apply liquid manure or light dressing of nitrate of soda and potash. When the heads have formed and are hard, tie up the outer leaves to blanch the heads. Cauliflower needs cool, rather damp weather and will not form good heads in a dry, hot season or in dry sections.

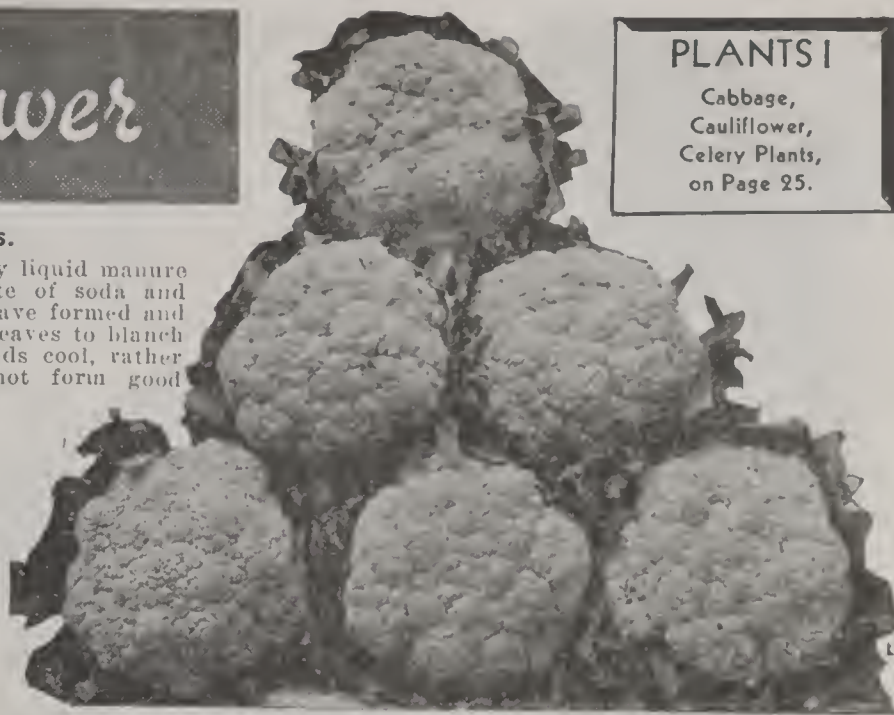
PLANTS I

Cabbage,
Cauliflower,
Celery Plants,
on Page 25.

166. SUPER SNOWBALL CAULIFLOWER—(52 days.) An extra early strain of the famous Snowball with particularly attractive pure white, solid heads. Excellent for forcing or general field culture. Its early and even maturity and unsurpassed quality brings a premium on any market. Heads: 6 to 7 inches thick. Pkt. 15c, ¼ oz. 50c, ½ oz. 90c, oz. \$1.65, ¼ lb. \$6.00, postpaid.

165. DRY WEATHER OR DANISH GIANT—(67 days.) A variety well adapted to dry weather conditions. It is later than Early Snowball and of larger growth. Heavy foliage fully protects the heads, which are less liable to blight in hot weather. Dry Weather requires less moisture than other sorts, yet quality is superb. Head: 6 to 8 inches thick, weighs 2 lbs., hard, creamy white and of delicious flavor. Pkt. 10c, ¼ oz. 40c, ½ oz. 60c, oz. \$1.00, ¼ lb. \$3.75, prepaid.

2,500 to 3,000 Plants from 1 oz. of seed. 6 to 7 ounces plant an acre. Number of days from setting out plants to marketable heads listed here.



Super Snowball Cauliflower brings highest market price.

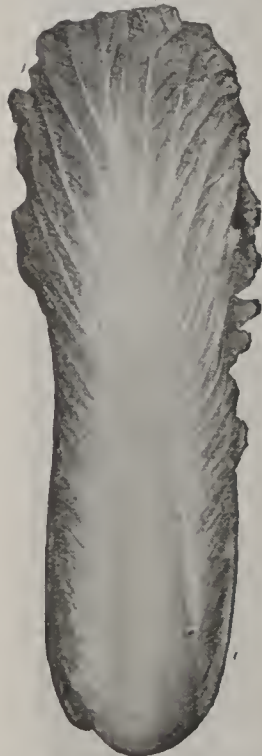
160. EARLY SNOWBALL—(55 days.) One of the best and most widely used early varieties. The plants are dwarf with short, pale green leaves. A dependable header. Although this is an extra early sort, it can also be planted to advantage for late fall and winter use. Head: 6 to 7 inches thick, of medium size, firm, compact, solid, pure white, and of finest quality. Pkt. 10c, ¼ oz. 40c, ½ oz. 60c, oz. \$1.00, ¼ lb. \$3.75, prepaid.

161. SELF PROTECTING DANISH PERFECTION—(58 days.) A main crop sort of Early Snowball type with somewhat larger heads, and several days later in maturing. However the heads are better protected by large leaves which does away to a certain extent with the necessity of tying up the leaves to blanch the heads. Heads: 7 to 8 inches thick, weighs 2 ¼ lbs., compact, snow white and very attractive. Pkt. 10c, ¼ oz. 40c, ½ oz. 60c, oz. \$1.00, ¼ lb. \$3.75, prepaid.

Chinese Celery Cabbage

157. NEW CHIHILI—An exceptionally fine Chinese Cabbage. Early growing and sure heading, resembling Cos Lettuce, producing large, solid white heads of upright growth, torpedo shaped, long and pointed at the top, about two feet in height. Leaves are broad, compact, tightly folded and beautifully white and very crisp. Sow after July 1st to avoid flowering. Pkt. 8c, oz. 20c, ¼ lb. 50c, lb. \$1.75, prepaid.

158. WONG BOK—The largest of the Chinese Cabbages, a little shorter and thicker than the "Chihili" variety, and will not go to seed readily. Delicious as a salad vegetable. Heads are thick, oblong, with tightly folded, crisp, white leaves, as tender as those of head lettuce. The flavor is that of very solid cabbage, blended with celery. Do not sow until July to avoid flowering. It makes a delicious salad, sliced and served with French dressing. Boiled like cabbage, Celery Cabbage is especially fine. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.65, prepaid.



Chinese Celery Cabbage.
New Chihili.

159. CHINESE CELERY CABBAGE (For Poultry)—A new cheap, green feed of great value for poultry, more productive than lettuce, spinach or mangels. Sow the seed in rows ½ inch deep and 24 inch apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, ppd.

Superior—CELERY—Strains

An ounce of celery seed will produce 7,500 plants.



198. MICHIGAN GOLDEN CELERY

CULTURE—Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand rather than with soil, to prevent a hard surface. When plants are 2 or 3 inches high, transplant them to other flats. In May, set them out in rows 3 feet apart, 6 inches apart in the rows.

To blanch celery, hill up the stalks with earth, but do not let any dirt fall into the hearts of the plants, and do not work at it while wet. Celery may also be banked with boards pushed close to both sides of the rows. For winter store in cellar.

195. SELECT GOLDEN SELF BLANCHING—(118 days.) This is the best Celery for early table use, and is the most popular grown for the market. Bleaches as well as any yellow variety but not recommended as a late sort. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness and of fine flavor. Pkt. 10c, oz. 35c, ¼ lb. \$1.00, prepaid.

198. MICHIGAN GOLDEN—(Yellows Resistant Strain.) A new strain of self-blanching Celery highly resistant to yellows or root rot. It is intermediate in type between Tall Golden and Golden Plume. It has shown unusual resistance to yellows on infested soils. Recommended by Michigan State College. Pkt. 15c, ½ oz. 75c, oz. \$1.35, ¼ lb. \$5.00, prepaid.

F. S. & N. Co.

"GOLDEN JUBILEE" PRIZE LETTER

I have only been acquainted with your firm a few years, but I can tell of my experience in 1936 when I bought your seeds and raised a wonderful garden. I exhibited my crop at the North Iowa Fair at Mason City, and won the following prizes:

1st and 2nd on Largest Squash.
1st on Sweet Pumpkin.
1st on Table Queen Squash.

1st on Six Ears Sweet Corn.
1st on Pint Dried Sweet Corn.
2nd on Largest Pumpkin.

3rd on Squash other than named.

I am sending the Secretary of the Fair Board's report showing the amount of prize money I won from the crops grown from your seed.

Signed—Mrs. C. N. Humphry, Clear Lake, Iowa.

MARKET GROWERS: Ask for
SPECIAL PRICE LIST

We Offer Transplanted Cabbage, Cauliflower and Celery Plants on Page 25



BETTER SWEET CORN

A pound will plant 200 to 300 hills;
use 10 to 15 pounds per acre.

Now eat **HYBRID
SWEET CORN** !

No. 230
"Summer Long Blend"

OF MIXED

H
Y
B
R
I
D

SWEET
CORN

HYBRID SWEET CORN

Sensationally Superior to Common Strains.

The outstanding new Minnesota Experiment Station "Golden Bantam" hybrids feature greatly increased yields, more uniform maturity and are far superior to normal Bantam in quality, flavor and tenderness. The finest Sweet Corn you have ever grown—costs a trifle more, but worth much more.

MINHYBRID 203—8 days earlier than normal Golden Bantam. No finer table quality obtainable. Absolutely no other corn so sweet and tender. A real gold mine for the market grower who specializes in quality. Top prices when folks are hungry for Sweet Corn. The home gardeners also can't go wrong on this. Ears: 6 to 6½ inches long, 8-rowed, yellow, maturing evenly. Plant: somewhat shorter and yield is better than that of normal Bantam. Prices below.

MINHYBRID 202—5 days earlier than normal Bantam but still surpassing it in both quality and yield. Produces 15,000 marketable ears per acre! Fancy quality, extra tender, with high sugar content. Ears: 6 to 8 inches long, 8-rowed, with a few ears 10-rowed; kernels medium, large, yellow. All ears mature uniformly. Prices below.

MINHYBRID 201—About a week later than Golden Bantam, but far outstripping it in yield. This hybrid still has the same high quality of normal Bantam. Gardeners and canners—think of getting 18,000 marketable ears per acre! Ideal for whole ear pack. Ears: 5 to 7 inches long, 8 to 10-rowed. All ears maturing evenly—kernels medium sized, golden yellow. Prices below.

244. GOLDEN CROSS BANTAM—(84 days.) An extra heavy yielding Golden Bantam hybrid favored by the leading canning factories. Famous for its large ears, uniformly filled with tender golden kernels of high sugar content. Well adapted to market growing. Stalk 6 ft. high, ears 8 inches long, 10 to 14 rowed. Prices below.

PRICES—ALL HYBRID SWEET CORN:

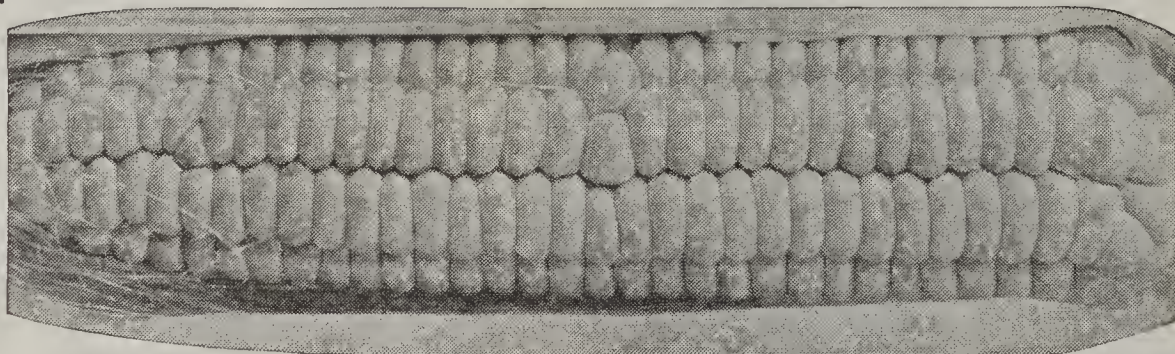
Your choice of any Hybrid variety. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.50, prepaid.—Not prepaid 15 lbs. and over at 25c per lb.

NO. 245 STANDARD ALL SUMMER COLLECTION

Pick fresh Sweet Corn throughout the summer. How good that flavor can be if picked just an hour before using! Here's a collection that can be planted at one time and will supply your table all summer.

A—Early Golden Gem. Extra early.
B—Golden Bantam. Medium early.
C—Stowell's Evergreen. Popular late white variety.

SPECIAL PREPAID PRICE { 1 pkt. of each of these 3 varieties...15c
½ lb. of each of these 3 varieties...49c
1 lb. of each of these 3 varieties...85c



Minhybrid 202 (above)—highest sugar content.

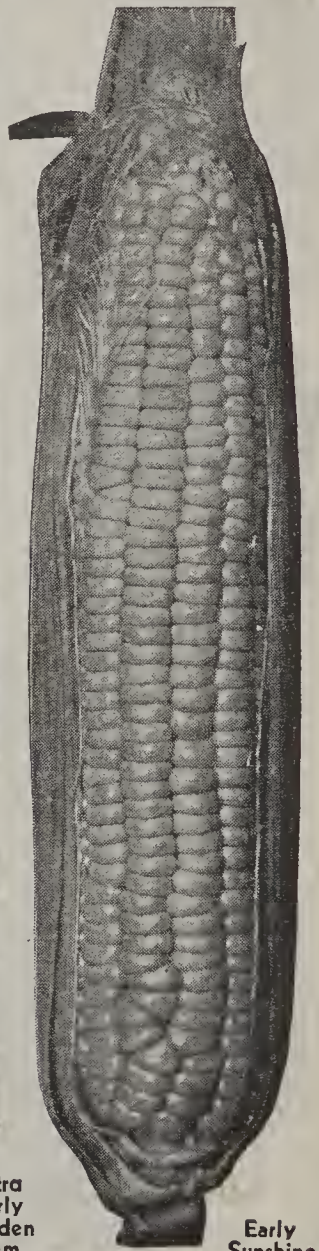
CULTURE: A rich warm soil will give the best results. Work soil thoroughly before planting. Plant in hills 3 to 3½ ft. apart each way, or sow in rows 3½ ft. apart, placing the seed about 8 inches apart in the rows. Plant as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.

Early Standard Strains

226. GOLDEN BANTAM—(70 days.) To most home gardeners, Sweet Corn means Golden Bantam. Also desirable for trucking and canning. It is medium early, dependable and of wonderful quality. Ear: 6½ inches long, 8-rowed, Kernels broad with tender hull, sweet and of exceptionally fine flavor. Stalk: 5 to 5½ feet high. Pkt. 5c, ½ lb. 18c, lb. 30c, 2 lbs. 50c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.

223. EARLY SUNSHINE—(66 days.) Another noteworthy development of the North Dakota Experiment Station. An early yellow variety, with a larger ear, and about 5 days ahead of Golden Bantam. Highly prized by market growers and excellent for home garden. Flavor, tenderness and quality are superb. Ear: 7 inches long; kernels golden yellow, sweet tender and of good flavor. Pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

228. EXTRA EARLY GOLDEN GEM—(60 days.) Originated by the North Dakota Agr. College. Now the long-looked-for time when luscious corn on the cob may be enjoyed has been advanced 10 to 12 days, for Golden Gem is ready that much earlier than its grandparent, Golden Bantam. It is proving a gold mine to market gardeners in reaching the earliest market. Ear: 6 inches long, 8 rowed; kernels deep yellow, tender, exceptionally sweet and of good flavor. Pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.30, prepaid.—Not prepaid, 15 lbs. at 20c per lb.



Early
Sunshine.

Extra
Early
Golden
Gem



Late Sweet Corn

235. GOLDEN COLONEL—(93 days.) Delicious golden yellow, sugar-sweet corn, in prime eating stage, when there is nothing but white corn on the market. A cross between Country Gentlemen and Golden Bantam with the late maturity, nectar sweetness, and juicy tenderness of Country Gentlemen, plus the deep golden yellow color and delicious flavor of Golden Bantam. The "shoe-peg" kernels are set in zig-zag pattern. Pkt. 5c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid 15 lbs. at 18c per lb.

234. OREGON EVERGREEN—(87 days.) A medium late variety which has long been a favorite on the Pacific coast. It has recently been found to produce successfully in the Middle West. We ask canners, home and market gardeners to try this corn. Ear: 7 1/2 to 9 inches long, 14 to 18-rowed, medium thick; kernels clear white, medium length, sweet and of good flavor. Stalks: 7 to 7 1/2 feet. Pkt. 5c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.



242.
Stowell's
Evergreen

The
Most
Popular
Old
Favorite
Late
White
Sweet
Corn

242. STOWELL'S EVERGREEN—(90 days.) The most popular late variety of Sweet Corn. Highly desirable for home or market gardening or for canning. Holds its prime condition at eating stage a long time. Ear: 9 inches long, 16 to 20-rowed; kernels clear white, deep medium width, sweet and tender. Stalk: 8 to 10 feet high, sturdy and erect. Pkt. 5c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.

243. COUNTRY GENTLEMAN—(93 days.) Here is a late, prolific variety of excellent quality, used widely by canners; also very desirable for home and market gardens. Ear: 7 1/4 inches long; kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation. Stalks: 7 1/2 feet high, often bearing 2 ears. Pkt. 5c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

TREAT ALL YOUR SEED CORN

BARBAK C., the super corn seed disinfectant. Four ounces is sufficient to treat two bushels of corn. Increases germination and stand, and insures vigorous seedlings. See page 68 for details. We offer treated Sweet Corn in 5-lb. lots and over at 2c per lb. extra.



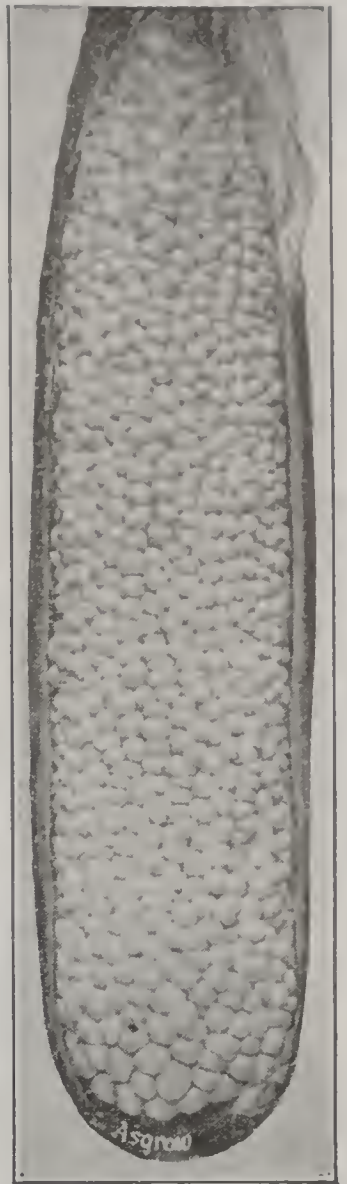
Use "Master Ear Worm Dust"

Remember what a time you had with ear worm in your sweet corn in the past? Well here's an easy, inexpensive way to put a stop to the ravages of the corn ear worm this year.

Merely apply "MASTER EAR WORM DUST" when the silks begin to appear. Apply every 10 days until 2 or 3 applications have been made.

"MASTER EAR WORM DUST" is very easily and quickly applied, and saves its cost tenfold in enabling you to produce a perfect crop of sweet corn. Full instructions on every package. (Use 40 to 50 lbs. per acre.)

Prices: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 100 lbs. \$5.00.



235. Golden Colonel

Latest Triumphs in POP CORN Breeding

Pop Corn a Profitable Crop

Pop corn is a profitable crop for which there is always a good demand. An excellent crop for the boys and girls to grow. Produces almost as much good fodder as field corn.

Plant 12 pounds to the acre, in drills, or use 6 pounds if planted in hills. Plant in rows 3 feet apart, dropping the seed 1 1/2 feet apart in the rows. We have discarded all but the outstanding varieties. Such old timers as White Rice and White Spanish cannot compete in quality and flavor with the newer introductions.

250. NEW HYBRID JAP HULLESS—Here is the last word in pop corn—the latest triumph of the Minnesota Experiment Station, far surpassing standard Jap Hulless in yield and popping expansion. Records show 16% greater yield per acre. Its most amazing feature is apparent when the corn is popped, for it expands to a surprising volume (measured at 29% more than ordinary Jap Hulless). This huge popping volume makes this the most highly prized corn for popping and commercial use. We do not hesitate to recommend it as the finest pop corn obtainable from the standpoint of quality, flavor and tenderness. Pkt. 8c, 1/4 lb. 15c, 1/2 lb. 25c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 30c per lb., 5 lbs. and over at 25c per lb. (See inside back cover.)

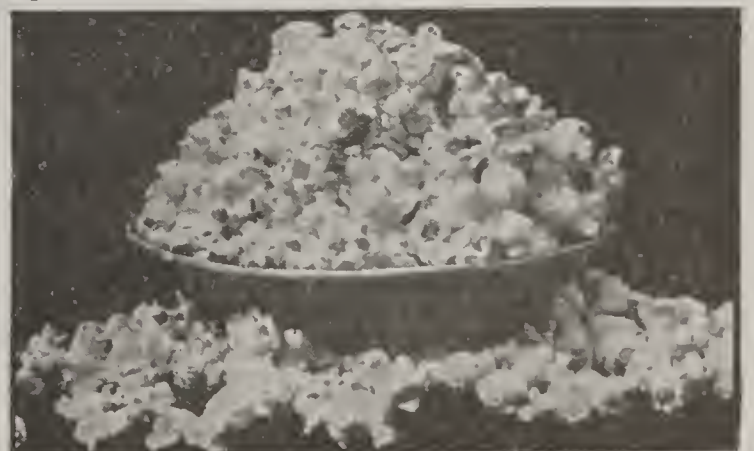
249. JAPANESE HULLESS—This dwarf corn is used extensively by pop corn venders. The ears are only 2 to 3 inches long, but every kernel on the cob will pop, so there is no waste. Japanese Hulless Pop Corn is almost again as productive as White Rice. The kernels are longer and more slender, and have no hulls. 2 1/4-oz. pkt. 5c, 1/2 lb. 10c, lb. 18c, 2 lbs. 30c, 5 lbs. 70c, prepaid.—Not prepaid, 15 lbs. and more at 12c per lb.



New Hybrid Jap Hulless.
(Minhybrid 250)

248. BURBANK GOLDEN AMBER—A new golden yellow pop corn of exceptional tenderness, surprisingly early and about the finest quality of any butter colored pop corn we have discovered so far. In seasons when all corn carried excess moisture, Burbank was fully matured and in popping condition by November 1. An average ear makes a popper full of the finest flavored corn you ever tasted, and of a golden butter color. Ears average 7 in. long, diameter 1 1/4 in. A most profitable and prolific variety for the Northwest and a popping corn that poppers will be eager to learn about. Price: Pkt. 5c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. and more at 16c per lb.

252. "FARIGOLD" SOUTH AMERICAN YELLOW—A real Pop Corn sensation—pops the largest kernels of any variety—has a rich golden butter color—very fine flavor—crisp and tender. The ears are much larger than other varieties—7 to 9 inches long and the kernels are golden yellow color. It is the most profitable variety to grow as it produces more bushels per acre on account of its large ears. This Pop Corn is of South American origin. We have successfully matured our own special seed crop here in Minnesota so that the seed we offer will mature earlier. Northern Strain: Pkt. 5c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid 15 lbs. and more at 16c per lb.



→
"Farigold"—
large, buttery
kernels of
delicious
flavor.

Eat More Pop Corn (Not Suitable for Seed)

PRICE, NOT PREPAID:	5 lbs.	10 lbs.
Japanese Hulless.....	\$0.35	\$0.65
New Hybrid Jap Hulless.....	.50	.90
"Farigold" So. Amer. Yellow, Southern Grown....	.40	.75
Burbank Golden Amber.....	.40	.75
Postage on 5 lbs. to third zone (300 miles) 17c, on 10 lbs. 27c.		

**COOL
RISP**

CUCUMBERS

for SLICING
AND
PICKLING

An ounce will plant 50 hills; three pounds per acre.

Note: Days from planting to picking are listed here. The letters W. S. and B. S. indicate the white spined and black spined varieties.

CULTURE—Cucumbers require rich soil. Plant the seed in low, flat hills, 5 to 6 feet apart each way, allowing 12 to 15 seeds per hill. Cover with three-fourths of an inch of finely pulverized soil. Thin out all but 4 or 5 of the strongest vines to a hill.



F. S. & N. Co.'s Earliest Pickling—of finest quality.

Pickling Cucumbers

255. F. S. & N. CO'S EARLIEST PICKLING—(53 days.) The finest strain of pickling cucumber. It is early, exceptionally vigorous and hardy, and highly productive. Its quality is unsurpassed. Fruit: 9 inches long, 2½ inches thick, straight, smooth, symmetrical, of dark green color; quality and flavor excellent. (See front cover.) Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. 90c, 2 lbs. \$1.70, prepaid.

257. CHICAGO PICKLING—(59 days.) B. S. (Westerfield Pickling.) Most widely used of the pickling varieties. Also good for slicing. Fruit: 6½ inches long, 2½ inches thick, medium green, square ended, attractive and prolific. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

258. EARLY RUSSIAN—(52 days.) The earliest cucumber in cultivation. Can be picked early for bottle cukes or allowed to grow just a few days longer for first early slicers. Very even, smooth, tender, crisp. Hardy and free from disease. Black spines. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.



"Longfellow"—an extra fancy salad cuke of large size.

272. THE LONGFELLOW—(70 days.) W. S. (Vaughan.) Ideal for home garden, forcing or shipping. One of the best long, late varieties. Excellent quality. Perfectly uniform, long, slender shape. Fruit: 12 to 15 inches long, 2¾ inches thick; weight 2¾ lbs., dark green, symmetrical and attractive. Holds color and crispness well after picking. Pkt. 8c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

278. NEW "TAXPAYER CUKE"—(Early.) W. S. This striking new cucumber is uniformly nine inches in length, with tapering ends and of an intense dark green color. Produces cucumbers over a long period of time, and many of them. Developed from Early Fortune which was the best seller of all White Spines because of its extreme earliness, and abundant yields. Pkt. 10c; oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

"GOLDEN JUBILEE" PRIZE LETTER

F. S. & N. Co.:

In 1936, when I moved to my farm in Brookings County, I needed a windbreak. I bought some of your Chinese Elms and in five years the grove was a godsend to my stock and a monument to the farm.

Later I bought some of your seed corn and raised a wonderful crop. I entered this corn in the State Crop Show at Brookings in competition with six counties and got first grand sweepstakes, the silver cup.

When you buy seeds from a reliable house you can raise good crops.

For two years it was so dry all we raised was Chinese Elms and whiskers. You will get my order for 1938. Success to a firm that sells good seeds at a fair price.

Signed—G. J. Riter, Ellendale, Minn., R2.

"GOLDEN JUBILEE" PRIZE LETTER

F. S. & N. Co.:

Just a note to let you know I have made 100% profit on your White Gold Potatoes. I bought 10 pounds of these fine seed potatoes from you, and at digging time I took 16 of the largest and best White Golds to our annual Corn and Lamb Show. After the judging was over I found a green ribbon on these White Gold Potatoes which meant first prize and a cash award, and the potatoes were still my property, besides the rest of the crop raised from your seed. Signed—

Chas. J. Johnson,
Valley City, N. Dak.

256. NEW STRAIGHT EIGHT—All America Gold Medal Award Winner. This new introduction produces symmetrical, almost cylindrical fruit—well rounded at both ends. A White Spine variety running quite straight, regularly 8 inches in length and from 1¾ to 2 inches in diameter. Color: deep green. A vigorous grower and remarkably productive. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.25, 2 lbs. \$2.25, prepaid.

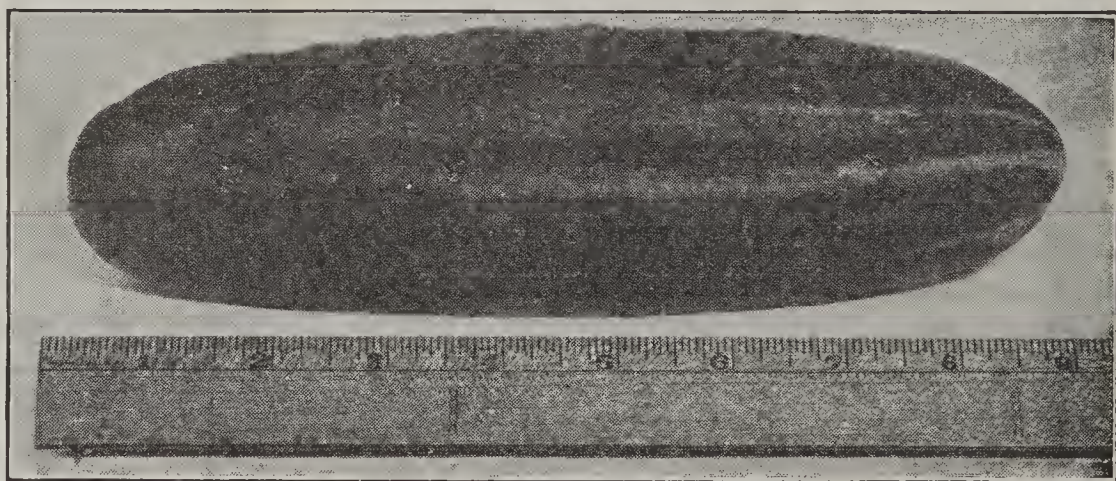
270. DAVIS PERFECT—(65 days.) W.S. An excellent mid-season variety for shipping or home table use. Splendid quality and appearance. Fruit: 9 to 10 inches long, 2½ inches thick, weight 2 lbs.; dark green, tapered at both ends; flesh crisp and of good quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.85, prepaid.

271. EVERGREEN WHITE SPINE—(65 days.) Another excellent variety for home or market gardening, of about mid-season maturity. Similar to Davis Perfect, but larger. Fruit: 10½ inches long, 2½ inches thick; weight 2¼ lbs.; slightly tapered, uniform, dark, shiny green. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

Salad or Slicing Cukes

260. IMPROVED LONG GREEN—(70 days.) (Black spined.) This is a standard late variety for home garden; excellent for slicing; hardy and prolific. Dependable. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

For
Dill
see
Page
24



"TAXPAYER"—very early; cukes for weeks and many of 'em!

Have you read about the Newest Novelty Fruits

Hardy Northern
APRICOT Hardy Asiatic
PEAR
Super Hardy Bush CHERRY
SEE INSIDE FRONT COVER!

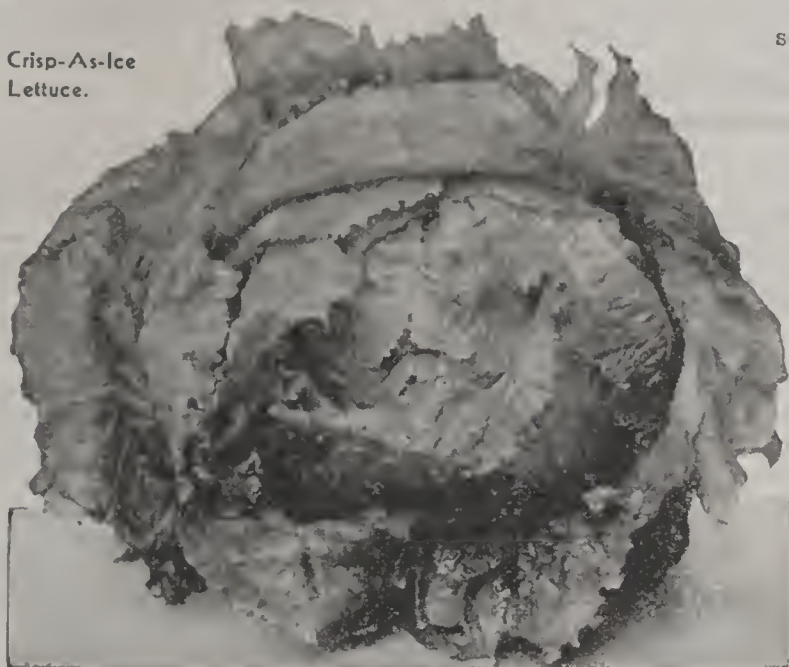
Crisp LETTUCE

from
YOUR OWN
GARDEN

1 oz. will sow 150 ft. of row; 4 lbs. plant an acre.

Note: The letters B.S. and W.S. refer to the black seeded and white seeded varieties.

Crisp-As-Ice
Lettuce.



335. CRISP-AS-ICE—the ideal salad Head Lettuce.

Crisp Head Lettuce

CULTURE—For early crops start seed in March in the hotbed, covering $\frac{1}{4}$ inch. When seedlings are 2 inches tall, transplant to coldframes, setting them 4 inches apart each way. When the ground is warm enough transplant to garden, setting plants 1 foot apart, in rows 12 to 16 inches apart. For general crop, make successive sowings during April and May, thinning plants to proper distance apart. For a fall crop, sow seed in August, to head during the cool weather of September and October.

331. ALL SEASONS—B.S. (75 days.) A highly prized variety for home or market garden. Does well in hot summer weather. Plant is large with medium dark thick leaves and with large, round, firm butter-head which is deep yellow inside and of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

332. F. S. & N. CO'S MAY KING—W. S. (61 days.) The earliest heading variety—for the first outside planting. Leaves: light green, tinged with brown. Head: small, compact, with golden yellow interior and buttery flavor; of fine quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

338. WONDERFUL, NEW YORK OR LOS ANGELES—W.S. (80 days.) The outstanding shipping variety, known in all markets. Flavor and tenderness are combined with unusual keeping qualities. Our special strain is noted for the large size of heads. The dark green leaves are slightly curled on the edges. The large, tightly folded cabbage-like head is well blanched, crisp and sweet. Quality is excellent. Pkt. 8c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50, 2 lbs. \$2.80, prepaid.

335. CRISP-AS-ICE—B.S. (74 days.) A popular sort for the home garden. Forms compact medium-sized head, well blanched and of delicate flavor. Leaves thick and crumpled; deep green over-laid with dark brown, giving a bronze appearance. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

Early Loose Leaf Lettuce

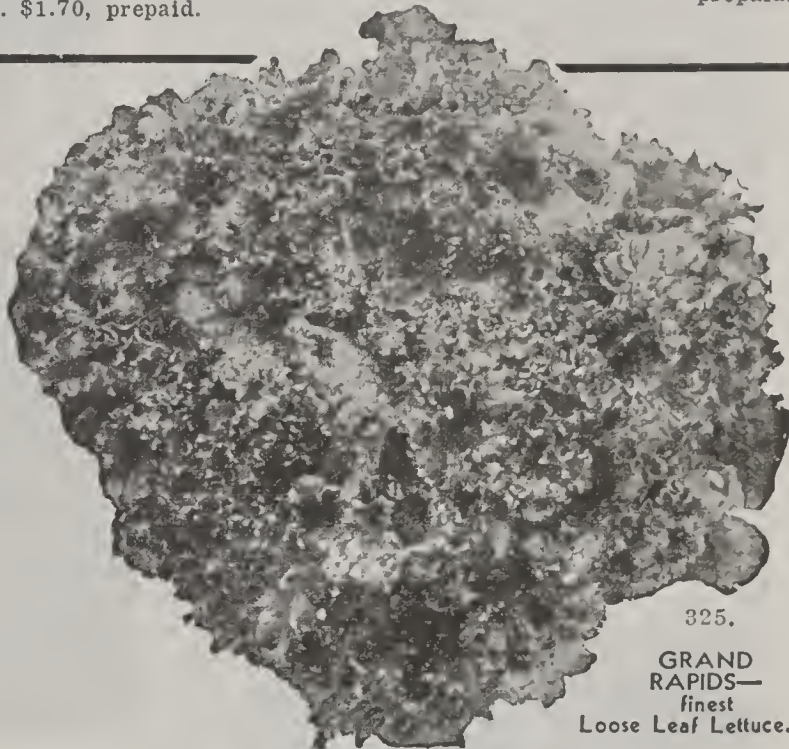
CULTURE—Sow as early in spring as the ground can be worked, in rows 12 inches apart; cover seed $\frac{1}{4}$ inch. A rich, sandy loam is best. When plants are 3 or 4 inches tall, thin out to stand 6 inches apart. For early crop, start in hotbed in early March, later transplanting the seedlings to coldframes, or to a sheltered position in the garden. If lettuce is cut above the crown, it will grow new leaves.

325. GRAND RAPIDS—B.S. One of the most popular loose-leaved varieties. Excellent for early planting and greenhouse forcing. It is very early, hardy, and disease resistant and is exceptionally tender when grown under glass. Handsome leaves are light green, broad, wavy, curly and heavily fringed. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

329. PRIZEHEAD—W.S. A very early, quick growing, non-heading sort, which is rapidly becoming the most popular loose-leaf variety for home gardens. Leaves are broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

326. BLACK SEEDED SIMPSON—Early and dependable in all parts of America. Popular in many home and market gardens. Plant is large, attractive, compact, non-heading. Leaves are light green, broad and frilled; of fine, crisp texture and quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

327. SIMPSON'S EARLY CURLED—W.S. The most widely used home garden variety. Early, hardy, dependable. Plant is large, compact, lustrous green, non-heading. Leaves broad, frilled, firm, very crisp and sweet—of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.



325.
GRAND
RAPIDS—
finest
Loose Leaf Lettuce.

Mushroom Spawn

Mushrooms
from Spawn.



Folder With Full Information
Free.

American Pure Culture—This spawn is obtained by selecting spores from individual specimen mushrooms, and is propagated and transferred to bricks of manure, which will produce mushrooms true to type with exceptional uniformity and regularity. Bricks weigh about $1\frac{1}{2}$ lbs.; a brick will spawn a bed 4 feet square. Pamphlet on mushroom culture with every order.

To grow mushrooms on the lawn, break up the brick of spawn into inch square pieces. Have ready some fresh horse manure, and place a trowel full under the sod at intervals about the lawn. Put a piece of spawn on the manure, and replace the sod. Do this in May. After the warm rains, the lawn will be full of mushrooms.

Price: Brick, 40c, prepaid.—
Not prepaid: 5 bricks, \$1.65;
10 bricks, \$2.75.

MARKET GROWERS
Ask for Special Price List.

340. MIXED LETTUCE SEED—All kinds mixed. If not sown too thickly, will make a continuous crop. The best early and late varieties of curly leaf as well as head lettuce. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

341. CHICKEN LETTUCE—Chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Pkt. 5c, oz. 8c, $\frac{1}{4}$ lb. 25c, lb. 85c, 2 lbs. \$1.60, prepaid.

GOLDEN JUBILEE PRIZE LETTER

F. S. & N. Co.:

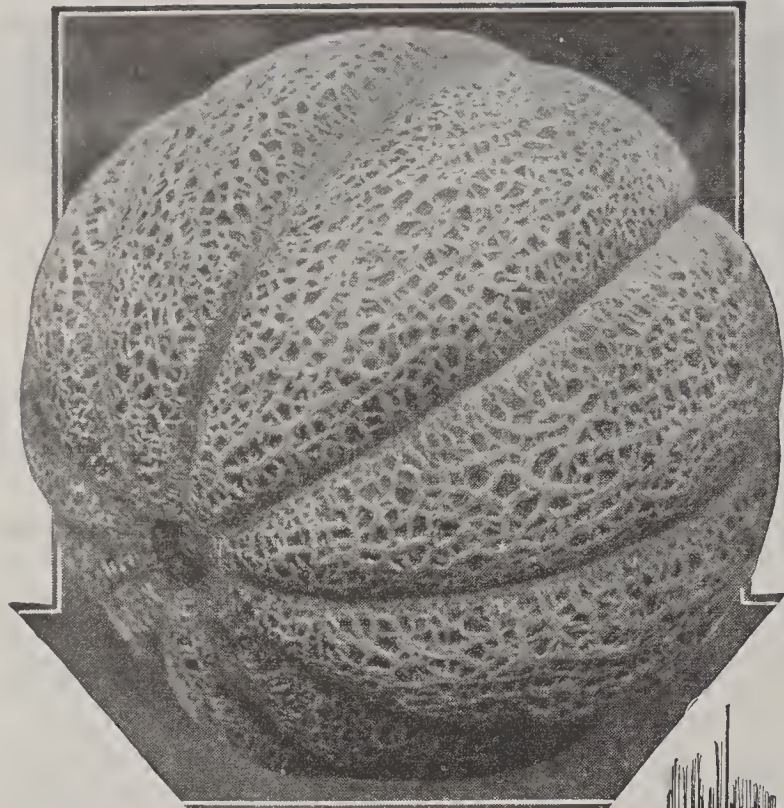
Since boyhood I have been familiar with your concern. I remember well in my early days how my father would insist on Master Farmer Seeds. In 1911 a severe drought occurred and your Ideal Silo Corn saved our farm and cattle. When we boys left the home to farm for ourselves, Dad advised us always to insist on Farmer Seed & Nursery Co. seed.

During the drought of 1934 your Ideal Silo Corn again filled my silo from a few acres, and so many others did not get enough fodder to make it worth while to put it into their silos.

Your Grass Seeds, Garden Seeds, and Grains are all unsurpassed, and this is made possible through your efforts to offer the new developments in agriculture.

Thanks for your service, may you continue to thrive. I am enclosing check for additional seeds.

Signed—Stewart Smith, Wilson, Wis.



359. Early Lake Champlain.

359. EARLY LAKE CHAMPLAIN—75 to 80 days. Absolutely the earliest of all orange fleshed melons. Fine flavor and quality. A very good early market and home garden variety. Fruit: nearly round, 5 to 6 inches in diameter, slightly ribbed and covered with an open, moderately coarse netting. When fully ripe, fruits show a golden yellow color through the netting. Flesh: fairly thick, deep orange-salmon in color, juicy and very sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

360. OSAGE OR MILLER'S CREAM—92 days. A popular old favorite for home or market growing—and a good yielder of exquisite flavored melons. Fruits are oval or egg shaped with slight ribs and netting and dark green skin when immature, ripening to mottled orange and green. Melons are 7 inches long, weigh 5 lbs. Small seed cavity with very thick, firm, pink flesh of spicy flavor. Carries well in shipment. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.



360. OSAGE or MILLER'S CREAM

Green Fleshed Melons

350. MINNESOTA MELTING SUGAR—86 days. The sweetest richest flavored of all green-fleshed muskmelons. Fruit: oval in form, distinctly ribbed and heavily netted. Flesh: very firm, of green color, exceptionally sweet, sugary, juicy and tender, with rich aromatic flavor. Vines yield an abundant crop of uniform sized melons, early in season. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

MUSKMELON fresh from! the vine •

One ounce will plant 60 hills, 2 to 3 pounds per acre.

CULTURE—Muskmelons or cantaloupe require warm, rich soil, slightly sandy. Plant when all danger of frost is past, in hills 6 feet apart each way, 8 to 10 seeds to a hill. Well-rotted manure carefully worked into the soil is beneficial. After danger of insects is past, thin out to 3 or 4 plants to a hill. Cultivate until vines cover the ground, and pinch off the ends of the vines. Give them plenty of moisture.

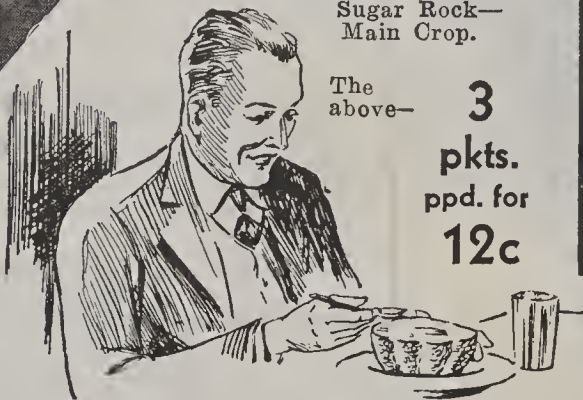
Orange Fleshed Melons

All-Season Assortment

Luscious muskmelons for your table all summer long! The cream of all varieties for home garden.

ONE PACKET EACH:

Lake Champlain—Extra Early.
Osage or Miller's Cream—Medium.
Sugar Rock—Main Crop.



356. PRIDE OF WISCONSIN—90 days. A most attractive new melon, on the outside and when cut. Similar to Honey Rock but heavier and has harder rind, much thicker flesh (which does not soften when mature), and small seed cavity. Therefore a better shipper and keeper than Honey Rock. Rind: very hard, pearly grey, with heavy netting. Flesh: very thick, of good flavor and rich orange color, with compact seed cavity. (See inside back cover.) Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. \$1.25, prepaid.

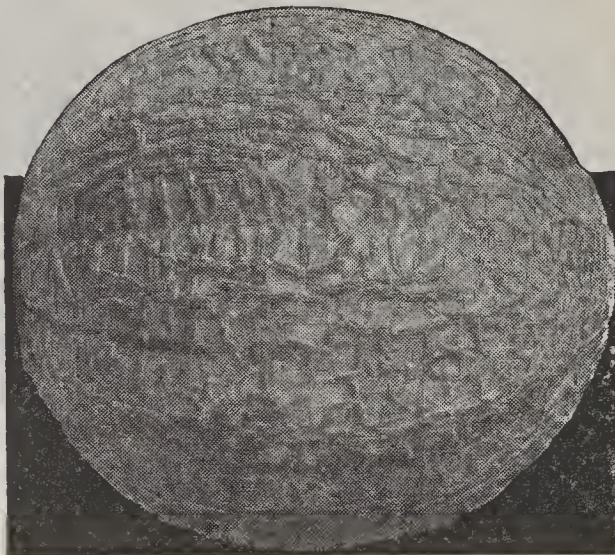
357. SUGAR OR HONEY ROCK—85 days. A money-maker and a source of pride for every grower. Handsome in appearance, distinctive in flavor. Sweet as sugar, solid as a rock and easy to grow. Fruit: nearly round, about 6 inches in diameter. Weight: 4 lbs. Skin grey-green, covered with coarse netting. Flesh: thick, juicy, orange color, with fine flavor. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.80, prepaid.

358. HALES BEST—80 days. Popular early shipping cantaloupe. Flavor and quality excellent, and withstands drought. Can be shipped long distances. Fruit: oval, 6½ inches long, almost devoid of ribbing, covered with heavy netting. Flesh: extremely thick, orange color, sweet and of fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

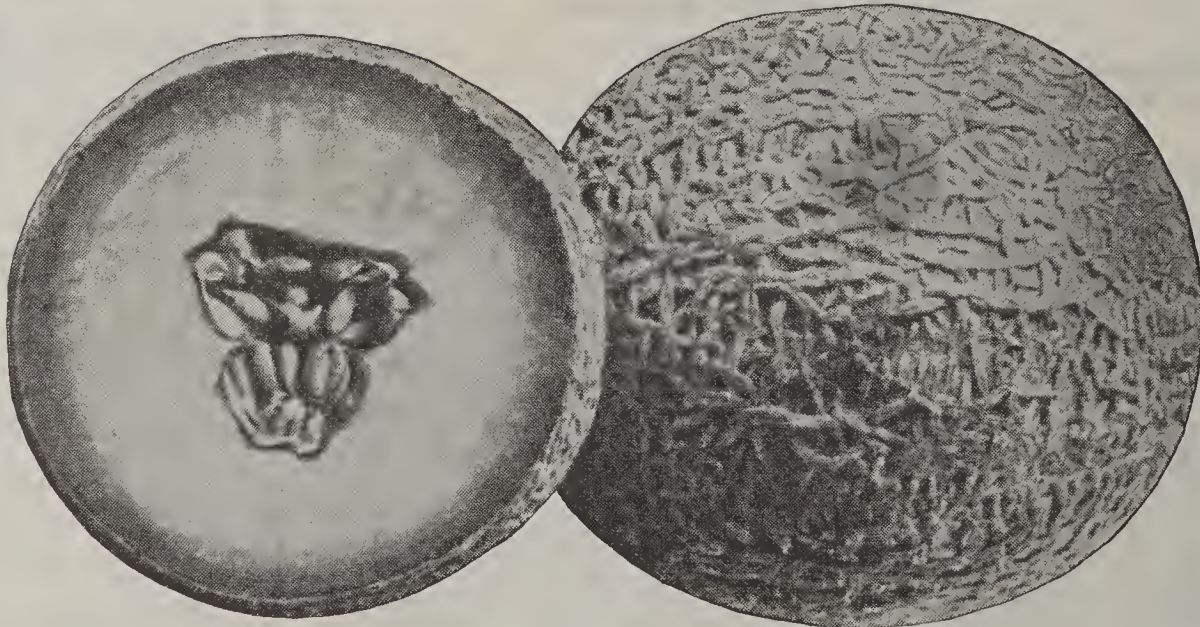
363. GOLDEN DELICIOUS—88 days. Resembles Bender's Surprise but is extra early, ripening just after Lake Champlain. Light green, finely netted, oval fruits. Firm, tender flesh of a deep orange-yellow color. Of surprisingly sweet flavor. Weight: 5 lbs. Contains large quantity of luscious sweet flesh. The hard rind makes them carry well in shipment. Pkt. 8c, oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

364. HEARTS OF GOLD—95 days. Grown extensively by market gardeners. A good shipping type. Follows the earlier varieties. Quality is splendid. Fruit: 6 inches thick, practically round, covered with fine netting. Flesh: very thick, deep pink, tender, juicy, sweet and aromatic. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

349. MILWAUKEE MARKET—87 days. A delicious large orange fleshed sort; slightly oval in shape, heavily netted and with prominent ribs. Flesh: salmon colored, thick and firm, and of aromatic flavor. Medium early, producing ripe melons late in August. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.



356. PRIDE OF WISCONSIN with extremely thick flesh and hard rind.



357. SUGAR or HONEY ROCK—an attractive melon of distinct, spicy flavor.

Best Watermelons FOR THE North

Four ounces will plant 100 hills; sow 4 to 5 pounds per acre.

CULTURE—The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run to vines, thin out all but the 3 strongest plants in each hill.

Try a Melon Surprise!



EARLY KANSAS—Super Quality and Size

369. EARLY KANSAS—(Also known as Red Russian or Red Seeded Hutchinson.) (85 days.) A new melon of genuine merit. It has suddenly become very popular on the markets of the Midwest, due to its earliness combined with large size, and its attractive appearance—plus fine quality. The skin is dark green with alternate stripes of a lighter shade. The rind is of medium thickness—well suited for carrying reasonable distances—and the flesh is a rich red color, of delightful flavor. Average size 15 by 13 inches; weight 40 lbs. Seeds brown. (See inside back cover.) Pkt. 8c, oz. 12c, ¼ lb. 25c, ½ lb. 45c, lb. 80c, prepaid.

(See inside back cover.)

8c per Packet prepaid



374 NORTHERN SWEET—extra early.

374. EARLY NORTHERN SWEET—Here's the newest thing in watermelons for the North. Introduced by Minn. Experiment Station, and the seed was originally brought in from Russia. This amazing melon ripens in 9 to 10 weeks from planting. Of an attractive green color, striped with lighter green. Flesh is dark red and tender, with a rich sugary flavor. Weighs 9 to 10 lbs. Splendid for early market or home garden. It is important that melons be picked as soon as they ripen, otherwise flesh tends to become slightly stringy. Pkt. 8c, oz. 12c, ¼ lb. 35c, ½ lb. 60c, 1 lb. \$1.00, prepaid.

370. COLE'S EARLY—(75 to 80 days.) A leading first early variety for home garden and truckers to local markets; reasonably productive, and particularly desirable for the Northwest as it matures in a short season. Fruit: weight 20 lbs., medium size, short, oval, with alternate light and dark green stripes; tender rind. Flesh: pink-red, of good flavor; seeds black. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, lb. 70c, prepaid.

371. EARLY ROUND LIGHT ICING—(85 days.) A very productive mid-season melon of excellent quality. Adapted to home or market gardens in the Northwest. Fruit: weight 20 lbs., oval round, very uniform, light green, with indistinct veining of darker green. Rind thin and tender. Flesh: light red, of excellent quality; seeds white. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 45c, lb. 80c, prepaid.



382—WINTER MELON—Sweet Flavored—Long Keeping!

382. WINTER MELON—(78 days.) Here's a sweet luscious watermelon for your Thanksgiving dinner, from your own garden. An early sort, very prolific and an excellent shipper. This melon will keep 2 months after picking if properly stored. Fruit: small, weight 10 lbs., round, pale yellow when ripening. Flesh: bright red, crystalline, very sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, lb. 70c, prepaid.

383. KLECKLEY'S SWEET—(85 days.) A splendid medium early variety, especially desirable for home garden use and for truckers serving local markets. It will not stand long distance shipping. A melon of outstanding quality and unusual sweetness. Fruit: large, weight 30 to 40 lbs., cylindrical dark bluish green, with thin tender rind. Flesh: bright red, tender and extremely sweet. Seeds white. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, lb. 70c, prepaid.



KLECKLEY'S SWEET, a delicious medium early Melon.



NEW WILL ROGERS—often grow to enormous size. An Improved Stone Mountain.

384. WILL ROGERS—(88 days.) Another new early melon of the Stone Mountain type, often growing to enormous size. Average size 14 by 12 inches; weight 35 lbs. Shaped like Stone Mountain, with white seeds tipped black. Skin is dark green, and flesh is bright red—of good quality. Pkt. 8c, oz. 12c, ¼ lb. 25c, ½ lb. 45c, lb. 80c, prepaid.

385. GOLDEN HONEY—(88 to 90 days.) An excellent home garden or local market melon with amber-yellow flesh that is so sweet, crisp and glistening it fairly melts in your mouth. Fruit: medium size, weight 20 lbs., chunky, nearly round, light green with mottled darker green stripes; rind brittle. Flesh: amber-yellow, crisp and delicious, free from stringy sections. Seeds brown. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, lb. 70c, prepaid.

386. EARLIEST AND SWEETEST—(75 days.) A fine early home garden melon, perfectly adapted to the short growing seasons of the Northwest. Fruit: medium size, weight 10 to 15 lbs., oblong shape, rind mottled with several shades of green. Flesh: scarlet, of extra fineness and sweetness. Entirely free from stringiness. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, lb. 70c, prepaid.

388. MIXED WATERMELON—For those wishing an assortment of watermelons, we have put up a special mixture containing our best and most popular varieties. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.

390. CITRON—For making preserves. Flesh: clear white and solid. Fruit: round and smooth, quite small. Pkt. 5c, oz. 10c, ¼ lb., 25c, lb., 75c, prepaid.

For a
PERFECT CROP
of
WATERMELONS

Use
SEMESAN.

See page 14.

Okra or Gumbo

The young seed pods of this plant are used for the well known and delicious gumbo soups. Plant in spring as soon as danger of frost is past. Cultivate the same as corn.

215. WHITE VELVET—Height 3½ feet; long white pods. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. 75c, prepaid.

217. DWARF GREEN—Grows low, is very productive. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. 75c, prepaid.

Yellow Globe Danvers—
a good keeper.

Dependable Onion Seed

One ounce will sow 100 feet of drill; 5 pounds per acre.

Strong-flavored Red Onions

403. LARGE RED WETHERSFIELD—(Late.) One of the most extensively grown large red onions. A heavy yielder and a splendid keeper. In poor soil it does best, growing a thinner neck than in heavy soil. Used extensively for sets and for storage. Bulbs: medium large, flat on the bottom with sloping top; purplish red. Flesh: fine grained, firm, slightly flushed with pink. Pkt. 5c, oz. 12c, ¼ lb. 40c, lb. \$1.40, 2 lbs. \$2.65, prepaid.

395. SOUTHPORT RED GLOBE—(Late.) The finest red onion. We offer our special strain of Red Globe produced by years of careful breeding. The perfect globe type is thoroughly established in this variety, resulting in bulbs of the most uniform shape and attractive appearance. They are highly productive and fine keepers. Bulbs: perfectly round, of good size, with small neck and thick, deep purplish red skin. Flesh: white, tinged with pink, of strong flavor. Pkt. 5c, oz. 12c, ¼ lb. 45c, lb. \$1.50, 2 lbs. \$2.75, prepaid.

MARKET GROWERS
Ask for Special Price List

Long-keeping Yellow Globe Onions

CULTURE—The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering ½ inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row. Keep them free from weeds and hoe often.

Early White Onions for Bunching or Pickling

409. EXTRA EARLY BARLETTA—An exceptionally early sort, very popular for pickling and green bunching. Bulbs: small, flat, pure white, of mild sweet flavor. Pkt. 5c, oz. 12c, ¼ lb. 40c, lb. \$1.40, prepaid.

410. EARLY WHITE WELSH—A hardy perennial, used exclusively for green bunching onions. This variety does not produce bulbs, but provides a good crop of the finest green onions for the market early in spring, in advance of those from sets. They may be left in the ground for years. Seed may be sown in August and September for extra early crop in spring. Pkt. 5c, oz. 12c, ¼ lb. 40c, lb. \$1.40, prepaid.

411. WHITE PORTUGAL OR SILVER-SKIN—(Medium Early.) The most widely used white onion. It might be called an all-purpose variety, as it is excellent for sets, as a pickler, for green bunching and for storage. Bulbs: medium size, thick-flat, clear white, hard, fine grained and of pleasing flavor. It is a dependable cropper. Pkt. 5c, oz. 12c, ¼ lb. 40c, lb. \$1.40, prepaid.

415. EARLY WHITE BUNCHING ONION—(Annual.) Here's an exceptionally early green bunching onion. An annual which forms small bulbs for green table onions—of real quality and mild flavor. Used by leading gardeners for reaching the early market. Pkt. 5c, oz. 12c, ¼ lb. 45c, lb. \$1.50, prepaid.

397. MINNESOTA SOUTHPORT YELLOW GLOBE—(Late.) A very handsome golden yellow globe of good size and mild flavor, which is very popular on the market. It is a good cropper, medium late, hardy, and possesses excellent storage qualities. Bulbs: medium large, round, yellow, firm and solid. Flesh: white with slight yellow tone. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.60, 2 lbs. \$3.00, prepaid.

399. MOUNTAIN DANVERS—(Early.) This strain is commanding a lot of attention as it is the earliest yellow globe variety and was developed in the mile-high regions of Colorado. It remains firm and usable much longer than any other variety—its color is a fine golden yellow—flavor is mild, and its earliness and long-keeping qualities make Mountain Danvers most suitable for marketing and a profitable variety to grow. Bulbs: three-quarter globe shape, slightly flattened at the base, dark yellow, very hard and thick skinned. Pkt. 5c, oz. 12c, ¼ lb. 40c, lb. \$1.50, 2 lbs. \$2.75, prepaid.

407. YELLOW GLOBE DANVERS—(Medium Early.) A popular, hardy strain of Yellow Globe. It is fairly early and a good cropper. Used extensively for storage. Bulbs: medium large, round, yellow, firm and solid. Flesh: fine grained, creamy white, crisp, mild and of excellent flavor. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.60, 2 lbs. \$3.00, prepaid.

Southport
Yellow Globe.

An attractive
"best seller."



"ONE-A-MEAL"

Giant Chinese Green Onion

400. A remarkable green onion of splendid quality. (A perennial.) The striking and attractive white stems grow to the enormous size of 25 to 30 inches in length with 2½-inch diameter, weighing over 3 pounds, on a single stalk. The white part grows very long and straight without the knob. They have a very mild flavor and attain a good marketable size very quickly and need no bunching. Sell at top price for early market. They grow where any green onion can be grown. Pkt. 10c, oz. 50c, ¼ lb. \$1.80, prepaid.

Serve Flamingo Relish with Baked Beans or Meats

- 15 large white onions
- 24 large mild red peppers
- 1 quart cider vinegar
- 2 cups sugar
- 3 tablespoons salt

Remove skins from onions and seeds from peppers and put through food chopper. Cover with boiling water and let stand for five minutes.

Drain well. Add the vinegar, sugar and salt and boil together for twenty minutes. Bottle and serve same as catsup.

F. S. & Ny. Co.

Certainly had good luck with the carrot seed I bought of you last year. Sowed two ounces of your Imperator and Nantes Coreless seed and I believe every seed grew, as I raised over twelve bushels, and canned many quarts besides.

Got a wonderful crop from your Great Northern Beans and were they good! Cooked in one-half the time other navy beans take to cook. Please send me your new seed book as soon as it is ready.

Mrs. Palmer Johnson, Litchfield, Minn.



Grow Bigger and Better Vegetables

By simply placing your garden seeds (any quantity up to 1 lb. at a time) in a mason jar together with ¼ to ½ teaspoon of SEMESAN, and shaking for three

minutes any time before planting, you can grow the biggest crop of fine quality vegetables or large colorful flowers that you ever saw! SEMESAN prevents "damping-off" and seed decay, controls all seed-borne plant diseases and assures you of getting a much better stand. Circular free. Price: ⅓-oz. pkt. 10c, 2-oz. can 35c, prepaid.—Not prepaid, 1 lb. \$2.25, 5 lbs. \$9.90.

Onion--Seed, Sets, Plants

Large, Mild Onions for Slicing

398. MINNESOTA SOUTHPORT WHITE GLOBE—(Late.) This is the finest of all white sorts. Its unusually handsome appearance brings a premium on all markets. It keeps well in fall storage. To get fine white onions, great care should be exercised in harvesting the crop. Pull as soon as they are ripe enough to harvest and dry in an airy, shady place. Bulbs: round, medium sized, solid, pure white, very attractive, skin thin and delicate. Flesh: waxy white, fine grained and mild. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

405. WHITE BERMUDA OR CRYSTAL WAX—An excellent onion for home garden. Beautiful in appearance, both skin and flesh being a clear delicate white. Bulbs: very flat, medium sized, clear white; of mild delicate flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

406. PRIZETAKER—This onion is outstanding because of its great size and splendid quality. It is similar in type to the large Spanish onions. Our special strain is exceptionally productive. It is a very popular shipping sort. Bulbs: large, globe shape; skin thin and glossy, of straw color; flavor mild. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.60, 2 lbs. \$3.00, prepaid.

412. SWEET SPANISH OR VALENCIA—Here's a most attractive onion that deserves a place in every garden. It is about the mildest onion in cultivation, a product of old Spain, now acclimated to our growing conditions. In appearance it greatly resembles the Prizetaker, with a skin of bright golden straw color. However it is even larger than Prizetaker, and for table slicing it rivals the Bermuda—it may be eaten like an apple. Very prolific and desirable for shipping and fall storage—a money maker for market gardeners. Bulbs: very large, globular with golden yellow skin; flesh white, very mild and of pleasing flavor. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$2.00, 2 lbs. \$3.75, prepaid.

408. MAMMOTH SILVER KING—(Early.) A large imported variety valuable for early market and of excellent table quality. Bulbs: deep and flat, pure white and exceptionally mild. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.60, prepaid.



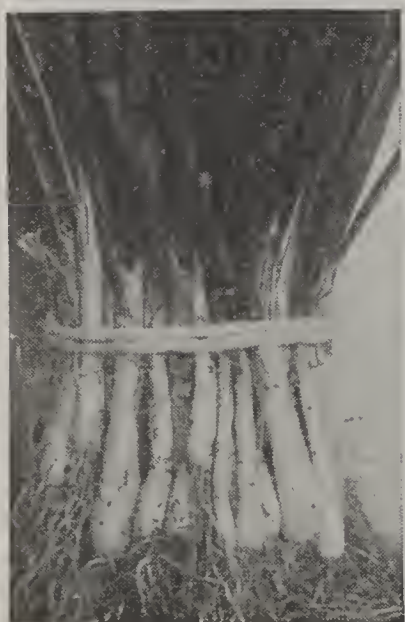
SWEET SPANISH
sweetest - flavored
slicing sort

414. MIXED ONION SEED—This mixture contains seed of all varieties, Globe, Wethersfield, early and late, and "green" onions. It is fine for the small garden, as it will furnish a supply of onions all summer and for winter storage. Also recommended for growing sets. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25, prepaid.

BERMUDA Onion Plants Hardy Texas Grown

Started in Texas from the finest strains of onion seed, the plants are lifted and shipped to be replanted in northern gardens. They will produce mild-flavored young green onions in the shortest possible time, or allowed to develop, will quickly grow to creaming or slicing size.

We can usually supply the following varieties: Yellow Bermuda, Crystal Wax, Prizetaker and Valencia, but in case of shortage we reserve the right to send the varieties available when order reaches us.



Orders will be shipped at proper time for setting out. We prepay to third zone only (300 miles). Beyond that, at customer's risk. 100,000 plants are required to plant an acre.

Price: 2 bundles 30c, 5 bundles 60c, 10 bundles \$1.00, prepaid to third zone.—Not prepaid, case of 60 bundles \$3.50. (Weight 35 lbs.) (Bundles contain 75 to 100 plants.)

150 to 200 Plants for
30c postpaid

Not Available
After May 1st.

Free Books to Customers

"Make the Garden Pay," an 80-page book every customer will want—tells in condensed form how to get the most out of your vegetable garden. Written by experts, fully illustrated. Gives cultural directions and information regarding vegetable storage, insect enemies, hotbed making, etc. A complete instruction book. Given free with a \$1.00 order of vegetables or flower seeds, or a \$2.00 order of farm seeds.

Plant Onion Sets for your Earliest Garden Crop

One pound will plant
25 feet of row.

Twelve bushels will
plant an acre.

32 Pounds equal 1 Bushel



F. S. & N. Co's White Bottom Sets.

EGYPTIAN PERENNIAL SETS—A hardy variety that may be planted either in spring or fall. They require no attention, spread rapidly, and make the first green onions for the table in spring. Price: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 40c, pk. (7 lbs.) 65c, bu. (28 lbs.) \$2.25.

YELLOW MULTIPLIERS—Flavor much superior to ordinary onions. Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 50c, pk. 80c, bu. \$2.50.

JAPANESE OR EBENEZER ONION SETS—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long-keeping quality, and freedom from going to seed. Japanese sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 35c, pk. 60c, bu. \$2.15.

Onion Sets are planted for onions for early spring use. A pound or two is sufficient for the average family garden. They can be planted as early in spring as the ground can be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively made late into the summer, as long as the sets remain in good condition.

YELLOW BOTTOM SETS—The onions commonly planted in the home garden for early green onions, also for later use. Price: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 35c, pk. 60c, bu. \$2.15.

RED BOTTOM SETS—Produce onions of excellent keeping quality and strong flavor. Price: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 35c, pk. 60c, bu. \$2.15.

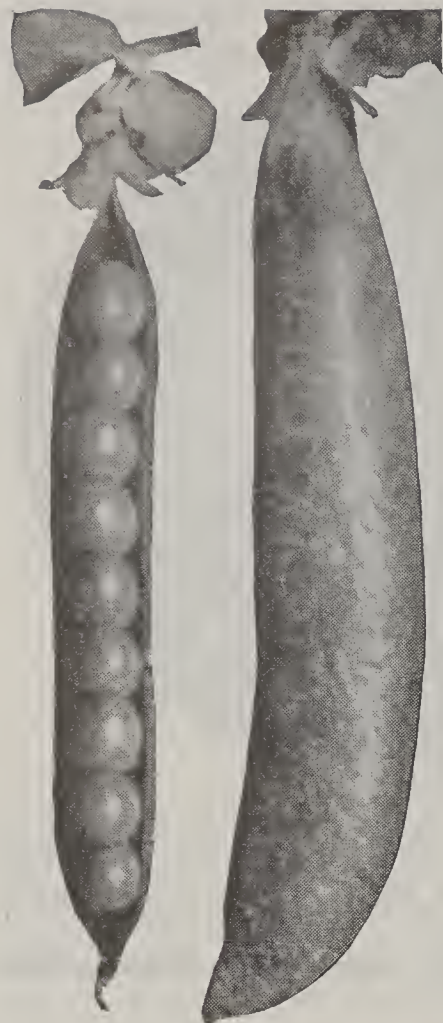
WHITE BOTTOM SETS—Price: Lb. 22c, prepaid.—Not prepaid, 4 lbs. 45c, pk. 70c, bu. \$2.35.

Far larger quantities than one lb., add postage.

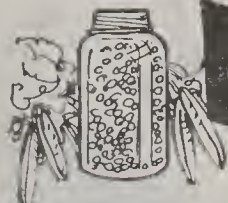
Garlic Bulbs

Used for flavoring stews, soups, meats, dressings and sauces. Garlic is a perennial, a member of the onion family but of much stronger flavor. The bulb separates beneath a thin, papery skin into divisions or "cloves." These cloves are planted in rows 12-18 in. apart and 4-6 in. apart in the row and covered with an inch or two of soil. When the tops have died, the bulbs are pulled, braided together by their tops and hung in a dry, airy place to cure. ½ lb. 25c, lb. 40c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. \$2.00.

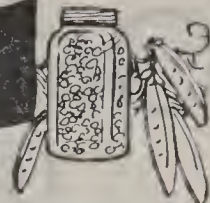




Laxton's Progress.



Northern Grown PEAS



YOUNG GARDEN-FRESH PEAS ARE LUSCIOUS, SWEET AND TENDER

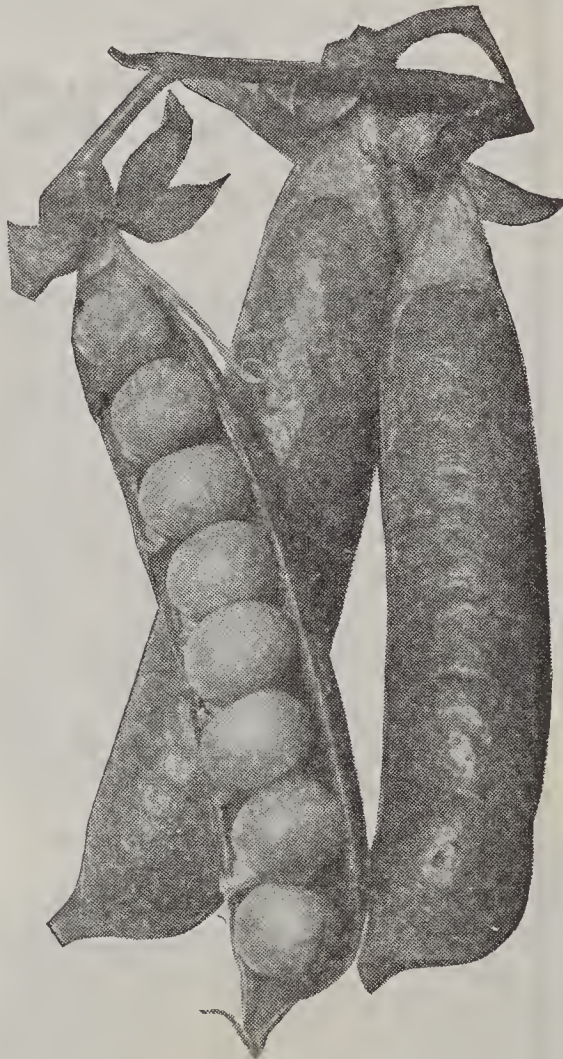
One pound will plant 100 feet of drill.

CULTURE—Garden Peas do best in light, rich soil, and are quite hardy, requiring fairly cool weather. The extra early varieties can be sown just as soon as the ground can be worked, early in April here. Sow in rows 24 to 26 inches apart, covering the seed about 2 inches deep. The tall varieties should be supported with brush, or twine and light stakes.

Extra Early Peas

448. EXTRA EARLY EIGHT WEEKS—(56 days.) (Semi-wrinkled.) This is the earliest sort in common use. A splendid variety to produce the first home garden peas on the family dinner table. Vines: 13 inches high, very dwarf, slender. Pods: 3 inches long, dark green, contain 7 to 9 peas of exceptional quality when picked young. Seeds: small, grey green, dimpled. Pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

447. EARLY ALASKA—(55 days.) (Smooth seeded.) The first early variety for market gardeners. Also very extensively used for canning. Crop matures evenly. Our strain is noted for its pod size and productivity. Vines: 30 inches long. Pods: light green, round, contain 6 to 8 peas of good quality. Seeds: small, round, smooth, bluish green. Pkt. 5c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. 95c, prepaid.—Not prepaid, 10 lbs. at 13c per lb.



Just off the Press!

NEW HOME CANNING BOOK

This book reduces the art of Home Canning to utmost simplicity—time saving, economical, a boon to the housewife. Contains all the latest methods of canning with minute instructions governing same, time tables, more than 300 tested recipes usual and unusual—health giving, retaining all the vitamins. No expense has been spared to make this the most complete and useful book of its kind on the market today. Price 10 cents. Costs Little—Brings Much.

Only 10c—Send for it Today!

No. 510 Garden Peas Collection

FRESH PEAS ALL SUMMER—We have selected varieties which will mature in succession, and furnish a continuous supply of delicious peas. We know they will more than please you.

EXTRA EARLY EIGHT WEEKS—Best extra early pea (56 days).

LITTLE MARVEL—Medium early. Very delicious (60 days).

POTLATCH—Late. Never disappoints (78 days).

1 Mammoth Pkt. of each	17c	1/2 Lb. of each	45c	1 Lb. of each	75c
All prepaid.					

Early Wrinkled Peas

471. LITTLE MARVEL—(60 days.) Outstanding among the older varieties of dwarf peas, Little Marvel continues to be extensively used on account of its exceptional quality and yield. Valuable for home garden and early shipping. Vines: 18 inches high. Pods: 3 inches long, plump, well filled with 7 to 8 tender peas. Seeds: light green, squarish, wrinkled. Pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

472. AMERICAN WONDER—(58 days.) Our stock of this old popular pea is the true extra-dwarf, early strain. Well suited to home gardening and highly productive. Vines: 12 to 14 inches high, dark green. Pods: 2 3/4 inches long and filled with 6 peas. Seeds: wrinkled, square, green. Pkt. 5c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. 95c, prepaid.—Not prepaid, 10 lbs. at 13c per lb.

460. THOMAS LAXTON—(58 days.) A popular early variety highly prized by shippers and canners. Quality and yield are excellent. Vines: 33 inches high, medium green and heavy. Pods: 3 3/4 inches long, plump, broad; contain 7 to 8 large tender peas of good quality. Seeds: cream and green, wrinkled. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

461. LAXTON'S PROGRESS—(60 days.) The largest podded and most attractive of the Laxtonian family. A good sort for shipping to distant markets, also for home and market garden planting. Of fine quality and abundant yield. Vines: 17 inches high, medium dark green. Pods: 4 1/4 inches long, dark green, handsome; contain 7 to 9 large peas of good quality. Seeds: large, wrinkled, cream with green color. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

470. GIANT LAXTONIAN—(60 days.) Here is the best known of the early, dwarf, large podded sorts. Used largely for home gardens and by truckers and shippers. Our featured strain has exceptionally large pods. Vines: 18 inches high, dark green; "top off" well at maturity. Pods: 4 1/2 inches long, broad, dark green, contain 7 to 8 large succulent peas. Seeds: yellow and green, wrinkled. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

—MARKET GARDENERS—
WRITE FOR SPECIAL PRICE LIST
GIVING QUANTITY PRICES.

LITTLE MARVEL

The Finest low-growing early pea of delicious flavor and an extra heavy bearer.



Giant Laxtonian—
a large podded
early sort.

473. NOTT'S EXCELSIOR—(59 days.) Similar to American Wonder but with taller vine and slightly larger pod. Vines: 16 inches high. Pods: 3 inches long, round, plump, light green, well filled with 6 to 7 medium size, tender peas. Seeds: wrinkled, square, light green. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

474. PREMIUM GEM—(63 days.) A highly productive, medium early variety good for home gardening and for canning. Vines: 20 inches high, dark green. Pods: 2 3/4 inches long, light green, contain 6 to 7 peas. Seeds: wrinkled, green. Pkt. 5c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. 95c, prepaid.—Not prepaid, 10 lbs. at 13c per lb.

Main-Crop Peas

Finest Mid-season Varieties

475. TENDER GIANT—(73 days.) A medium late, large podded variety maturing after the early dwarf varieties and before the other large podded main crop sorts. Its sweetness and quality cannot be improved upon. A nation-wide favorite as a canning pea. Vines: 27 inches high. Pods: 4 inches long, contain 6 to 8 large tender peas. Seeds: large, green, wrinkled. Pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. at 15c per lb.

480. POTLATCH OR BIG DINNER—(78 days.) One of the very finest late varieties for home garden and for shipping to distant markets. Potlatch is famous for its heavy yield of immense pods bearing many large luscious peas of delicious flavor. Vines: 26 inches high, deep green. Pods: 4 1/2 inches long, 7/8 inch wide; contain 8 to 10 tender, succulent peas. Seeds: large, wrinkled, green. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid. Not prepaid, 10 lbs. at 14c per lb.

484. EVERBEARING—(74 days.) An extra long bearing period makes this a popular variety. Everbearing is resistant to Fusarium wilt, and is noted for its quality. Vines: 32 inches high. Pods: 4 inches long, plump; contain 4 to 5 large peas of sweet marrowy flavor. Seeds: very large, light green, flat, wrinkled. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

Tall Main Crop Peas

501. QUITE CONTENT—(74 days.) We receive more enthusiastic reports on Quite Content than on all other tall peas. It has immense pods, filled with extra large, quality peas. Vines: 45 inches high. Pods: 4 3/4 inches long; contain 8 to 9 large, tender peas. Seeds: wrinkled, large, green. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

505. TALL TELEPHONE—(73 days.) A standard mid-season variety. Produces an abundant yield of immense pods filled with large tender peas of excellent flavor and quality. Vines: 45 inches high, dark green. Pods: 5 inches long, plump. Seeds: large, wrinkled, light green. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

506. CHAMPION OF ENGLAND—(79 days.) A well known late variety. A great climber and heavy yielder. Vines: 54 to 60 inches high. Pods: 3 inches long, plump; contain 7 to 8 peas of good quality. Seeds: large, wrinkled, light green. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

486. DWARF TELEPHONE OR DAISY—(75 days.) A late, large-podded, highly-productive sort for home garden and truckers. A good shipper and resistant to Fusarium wilt. Our strain is unsurpassed in size and appearance of pods. Vines: 22 inches high. Pods: 4 1/2 inches long, broad, pointed and attractive; contain 8 to 10 peas of excellent quality. Seeds: large, wrinkled, bluish-green. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

492. DWARF SUGAR—(68 days.) (Eat pod and all) A prolific home garden variety with an edible pod and also resistant to Fusarium wilt. Delicious if cooked when young the same as string beans—without shelling. Very sweet and tender. Vines 28 inches high, slender and wiry, with purple blossoms. Pods: 3 inches long, heavily curved, strongly indented between the peas. Seed: small, mottled, grey, round, smooth. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.

499. NEW DROUGHT RESISTER PEA—(72 days.) Will produce a crop equally well in wet or extremely dry seasons. The wilt resistant vines grow 2 ft. high—and require no support. Pods are round and well filled with 7 to 10 sweet, tender Peas. Just the variety for late planting and prolonging the pea season. Pkt. 10c, 1/2 lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.25, prepaid.—Not prepaid, 10 lbs. at 17c per lb.

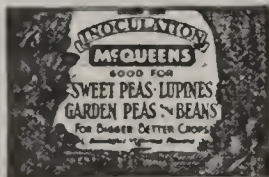
500. IMPROVED SENATOR—(71 days.) A drought and wilt resistant pea that thrives under adverse conditions of soil and weather when many other sorts fail. Stands hot, dry weather. Very productive, medium late, splendid for the home or market garden and canning. The strong, sturdy vines grow 30 to 36 inches high and produce an abundance of large pods, four inches long, which are well filled with 6 to 8 large peas of delicious flavor. Pkt. 5c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.05, prepaid.—Not prepaid, 10 lbs. at 14c per lb.



Potlatch—bears immense luscious peas.

GARDEN SIZE Packet Inoculator

Inoculates up to 4 lbs. of Seed



Only 10c

Insures Bigger and Better Quality Peas Beans, Lima Beans, Sweet Peas, Lupines.

MARKET GARDEN SIZE—
Inoculates 30 lbs. PEAS or BEANS
ONLY 20c postpaid
When ordering, state if wanted for Beans or Peas.

F. S. & N. Co.

"Last year I sent for Northern Sweet Watermelon of you folks, more as an experiment than otherwise. These watermelons turned out to be the best I ever raised; they are the talk of friends and neighbors and I have only praise for this variety."

C. F. Weibezahn, Chula Vista, Calif.

Parsnips

One ounce for 200 feet of drill. Five to six pounds for an acre.

A valuable root vegetable of rich sweet flavor and high food value. Frost improves the flavor, and parsnips can be left in the ground all winter, to be harvested in spring when fresh vegetables are scareest. Seed germinates slowly. Sow early in drills.

426. HOLLOW CROWN OR GUERNSEY—A great cropper; tender, sugary and considered the best for general cultivation. Pkt. 5c, oz. 8c, 1/4 lb. 20c, lb. 70c, prepaid.

427. IDEAL—Roots not as long as Hollow Crown, but are thicker and more easily gathered. They are very smooth and have fine grained flesh of excellent quality. Pkt. 5c, oz. 8c, 1/4 lb. 20c, lb. 70c, prepaid.

Hollow Crown.



Parsley

One ounce will sow 150 feet of drill.

CULTURE—Parsley is indispensable for flavoring and for garnishing. The seed germinates slowly, in 2 or 3 weeks and therefore should be soaked in warm water for a few hours before planting. Sow early in spring, 1/2 inch deep. In the fall, a few plants may be set in pots, and taken indoors.

430. MOSS CURLED—A compact growing, finely cut and densely curled variety of a deep green color. Owing to its fine color and handsome foliage, it is most popular. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c, prepaid.

431. HAMBURG or THICK ROOT-ED—The root is the edible portion of this variety and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to celeriac. Very hardy. Is cultivated like parsnip. Foliage same as Plain Parsley. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c, prepaid.

Pepper Grass or Cress

295. FINE CURLED—Crisp, pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 5c, oz. 10c, 1/4 lb. 25c, prepaid.

New Giant Peppers

* California Wonder

*The finest Sweet Pepper
for stuffing and baking whole*

436. (73 days.) Bright crimson, blocky fruits, measuring five inches long and four inches wide—excellent for serving whole. Crisp and juicy, without a trace of pungency, the flesh is often $\frac{3}{8}$ of an inch thick. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 45c, $\frac{1}{4}$ lb. \$1.50, prepaid.

432. KING OF THE NORTH—The newest and best early large pepper especially valuable in northern states. Fruits are enormous in size and color up a brilliant red much earlier than any other large sort. They average 6 inches long, 4 inches across. The flesh is thick, firm, very sweet and mild. Plants are literally covered with large peppers. Often one plant will have 8 to 10 mature fruits. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

434. HARRIS EARLY GIANT—(63 days.) An excellent first early sweet variety, for home and market garden use. Fruits resemble Bull Nose in form. Plants: dwarf, upright, very productive. Fruits: $4\frac{1}{2}$ inches long, $3\frac{1}{2}$ inches thick; gently tapered, 3-lobed, of sweet mild flavor; deep green changing to bright red. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, prepaid.

NOTE.—The time from setting out plants to marketable condition is indicated here.

433. HUNGARIAN HOT PEPPER—(65 days.) Also called Banana and Bulgarian Yellow. An extremely hot, long, slender, pepper of a bright waxy yellow color. Turns crimson when mature. The fruits are pointed and from $5\frac{1}{2}$ to 7 inches long. The plants produce abundantly. A special favorite with many people because of its pungency. A profitable market sort. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, $\frac{1}{4}$ lb. \$1.35, prepaid.

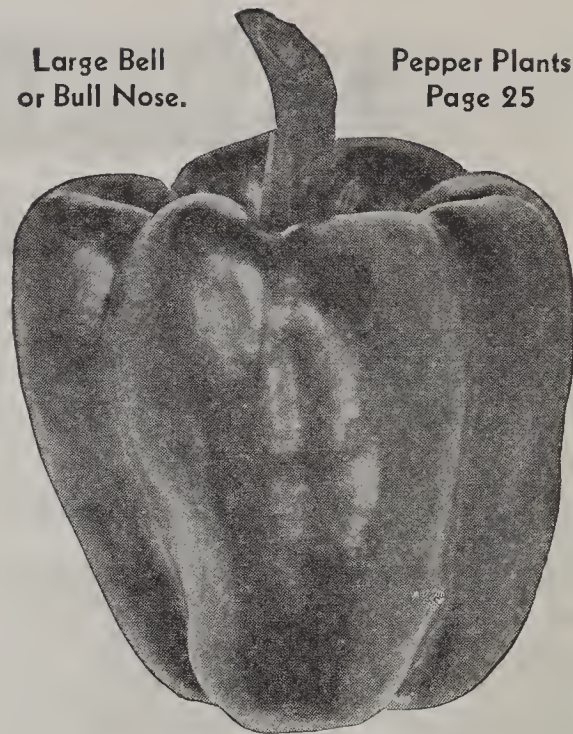
437. LARGE BELL or BULL NOSE—(58 days.) A popular early sweet variety. The first on the early market. Plants: small, erect, prolific. Fruits: 3 inches long, $2\frac{3}{4}$ inches thick; blunt, deep green—changing to scarlet red; sweet, mild in flavor. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, prepaid.

441. PIMIENTO or PERFECTION—(73 days.) Pre-eminently a canning variety; also excellent for home or market garden planting. Plants: large, erect, prolific. Fruits: $3\frac{1}{2}$ inches long, $2\frac{1}{2}$ inches thick; heart shaped, very smooth; color dark green, changing to bright crimson; flesh thick, sweet and mild. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, prepaid.

442. RUBY KING—(68 days.) Excellent for home and market gardening, also for shipping. Plants: medium dwarf, erect, vigorous, and very productive. Fruits: 5 inches long, 3 inches thick; tapering, dark green changing to ruby red at maturity. Flesh: thick, mild and sweet. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. \$1.10, prepaid.

Large Bell
or Bull Nose.

Pepper Plants
Page 25



One ounce of seed for 1,000 plants.
 $\frac{1}{4}$ lb. to transplant one acre.

How to Grow Big Peppers

Sow seed in flats, or in the hotbed in March, and transplant seedlings, when 3 or 4 inches high to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well-prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in rows.

Pumpkins

1 oz. for 25 hills, 4 lbs. per acre.
Plant like squash, 3 or 4 seeds per hill and thin to 1 plant per hill.

572. CONNECTICUT FIELD—(Matures in 110 days.) Extensively grown for making pies, for canning and for stock feed; usually planted in cornfields. Also known as Large Cheese. Fruits: 12 to 15 inches thick, weight 15 to 25 lbs., large, flattened at the ends. Surface hard, smooth, somewhat ribbed, deep orange in color; flesh thick, orange-yellow, coarse and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$2.00, 10 lbs. \$3.75.

573. KENTUCKY FIELD—(Matures in 110 days.) Widely used for canning and for stock feeding. Hardy and productive. Fruits: 12 to 14 inches thick, weight 10 to 15 lbs., large, slightly ribbed, not fixed in shape, some being flat, others globular and elongated; color, dull orange. Flesh: deep yellow, coarse and of good flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$2.00.

574. MAMMOTH KING or JUMBO—(Matures in 120 days.) The largest of all pumpkins. Valuable for stock feeding and exhibition purposes. Fruits: 20 to 24 inches in diameter, weight 60 to 90 lbs., very large, globular, slightly ribbed, flattened; skin light yellow, mottled with yellow and frequently slightly netted. Flesh: solid, coarse, but of fair quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. 85c, prepaid.

581. VICTORIA RHUBARB SEED—A superb variety, larger than the average, has large thick red stalks of most delicious flavor and excellent quality; a good seller in all markets. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00, prepaid.

For Rhubarb Roots. See Page 25.



Sugar
Pie.

Sweet
and
Delicious.

565. SUGAR PIE—(75 days.) Most desirable for pies. Very fine grained, sweet and a splendid winter keeper. Fruits: 10 inches thick, weight 6 to 8 lbs.; skin hard, smooth, somewhat ribbed, deep orange. Flesh: thick, sweet, orange-yellow, and of high quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. \$2.25.

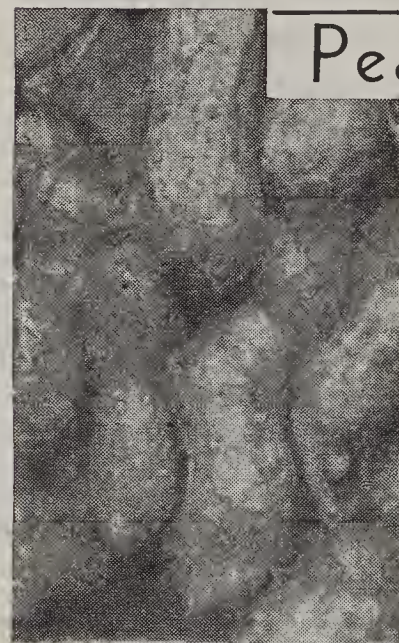
576. PRIZE COLLECTION MIXTURE—A mixture of the best varieties described above, all shapes and sizes, large and small. Just the thing for growing varieties to exhibit at county or state fairs. There is bound to be a prize winner. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$1.80.

Pie Plant or
Rhubarb -

Peanuts

As
Easy
to
Grow
as
Potatoes

Ask for
Free
Leaflet



Large Virginia Peanuts.

514. EARLY SPANISH—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 8c, $\frac{1}{2}$ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.10.

515. LARGE VIRGINIA—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. Fine for dry, sandy soil. Large pkt. 8c, $\frac{1}{2}$ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. for \$1.10.

TOBACCO

One ounce of seed will produce plants for one acre.

519. CONNECTICUT SEED LEAF—Grown principally for the manufacture of cigars. Hardy, prolific, and well suited to production in the north and central states. Pkt. 8c, $\frac{1}{2}$ oz. 25c, oz. 40c, prepaid.

MINNESOTA GROWN SEED POTATOES



WHITE
GOLDS
always
first
on the
market
when
prices
are
highest.

"WHITE GOLD" EXTRA EARLY WHITE POTATO

Ten days to two weeks earlier to market frequently means the difference between a decent profit and a possible loss. White Gold Potato growers in hundreds of letters tell of their wonderful success and fine profits. The chief reason was because White Gold Potatoes were ready two weeks earlier than Cobblers, Triumphs or Early Ohios.

White Gold Potatoes were developed from a potato seedling in Itasca County, Minnesota. For six years the seedlings were carefully selected and increased before the new potato was introduced. It has the size and shape of the Green Mountain, though the eyes are shallow and it is of slightly netted appearance. The yields compare favorably with the late varieties such as Carman and Rural New Yorkers. The outstanding features, however, are its earliness, good size and big yields. White Golds will keep in storage better than many late varieties. The cooking and baking quality is unsurpassed.

Price: 10 lbs. 75c, postpaid to 3rd zone. See Blue Figure Price List for quotations larger lots.

NEW WARBA Now Replacing the Triumph

After a 5-year test, the Minnesota Agricultural Experiment Station introduced a valuable new early potato—a cross of a selected seedling and Bliss Triumph. It resembles Bliss Triumph, though is larger in size—a bigger yielder, has white crisp flesh and is exceptionally quick maturing. Its season is 7 to 10 days earlier than Bliss Triumph or Early Ohio. The vines are upright, sturdy and resistant to mild mosaic. Tubers are short, round, blocky, white with pink eyes and uniform in size, with few culls.

Price: 10 lbs., 65c, prepaid to 3rd zone. See Blue Figure Price List for larger lots.

EARLY OHIO

This old favorite is a heavy yielder, of even size, medium to large, oval in shape tubers, very smooth, with shallow eyes. Early Ohios always bring a high market price, and though very early, they keep well. The flesh is white, firm, fine grained, and of excellent flavor. The cooking and baking qualities are unsurpassed. Price: 10 lbs. for 60c prepaid to 3rd zone.

EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, with prominent ridges at ends, causing uneven surface, and slightly flattened, rather blocky shape. The skin is white, well netted, with eyes of medium depth and number. It is a fine flavored potato and a heavy yielder. Price: 10 lbs. for 60c, prepaid to 3rd zone. See Blue Figure List.

The New Certified "Mesaba" Sweepstakes Prize Winner—Minn. State Fair Finest Table Quality—Smoother Than Cobbler Introduced By Minnesota Experiment Station

The Mesaba Potato is the latest development of the Minnesota Experiment Station. It was obtained from a cross between the Russet Rural and a seedling selection of the Early Ohio variety. The Mesaba is a round, white potato of the smooth rural type and similar to the Irish Cobbler in maturity and yield. It has proved to be a smoother, more attractive market potato than the Cobbler and on the basis of four years in trial at a number of locations has proved its superiority in yields over the Cobbler to a great extent.

Price: Trial order—10 lbs., 75c, postpaid to 3rd zone. See Blue Figure Price List for prices larger lots.



U.S. DEPT. OF AGRICULTURE'S NEW CHIPPEWA (Certified)

CHIPPEWA is the most recent introduction by the Department of Agriculture. It is considerably earlier than Katahdin or Green Mountain and is especially well adapted for the Northwest. In all tests the yields have been higher than other late varieties like Rural New Yorker, Carman, Katahdin or Green Mountain.

Since this potato matures ahead of most all other late varieties, it promises to become the most popular storage potato and will replace many of the old-timers. The tubers are smooth, regular in outline, with very shallow eyes. It is an excellent cooker and shows a high degree of resistance to mild mosaic.

We predict a great future for this potato and advise our friends to get a start this season.

Price: 10 lbs. 75c, prepaid to 3rd zone. See Blue Figure Price List larger quantities.

FREE — ILLUSTRATED CIRCULAR DESCRIBING FIVE NEW POTATO VARIETIES DEVELOPED BY LEADING PLANT BREEDERS AND THE U. S. DEPARTMENT OF AGRICULTURE. ASK FOR IT.

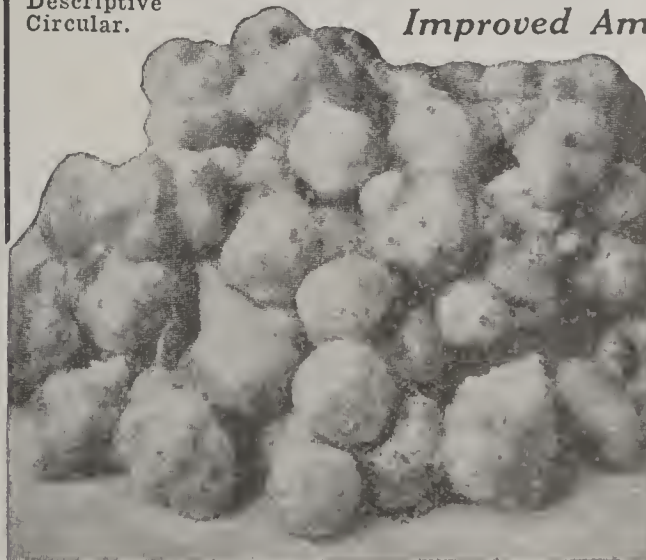
Treat your Seed Potatoes with Semesan Bel

CIRCULAR FREE

The instantaneous dip disinfectant for controlling such seed-borne diseases as scab, rhizoctonia and black leg. Improves germination and usually produces a bigger crop of better quality. One pound treats 70 to 80 bushels of seed. Prices: 4 ozs. 45c prepaid, 1 lb. \$1.50, 5 lbs. \$6.75, 25 lbs. \$31.00, not prepaid. Pamphlet free.

Free
Descriptive
Circular.

GIRASOL—"The Lazy Man's Spud" Improved American Artichoke



Above tubers were dug from a single hill of "Girasol."

Tubers not available until April 10th as seed stock cannot be dug until after the frost is out of the ground in spring.

Bushel (50 lbs.)—6 bushels will plant an acre.

A Valuable Food for Diabetics and Those Not Permitted To Eat Starchy Foods

The tubers can be eaten cooked, or served raw in salads. They contain carbohydrates in the form of inulin, instead of starch, and need not be cooked to bring out their food value. Recipe folder mailed free upon request.

Easy To Grow

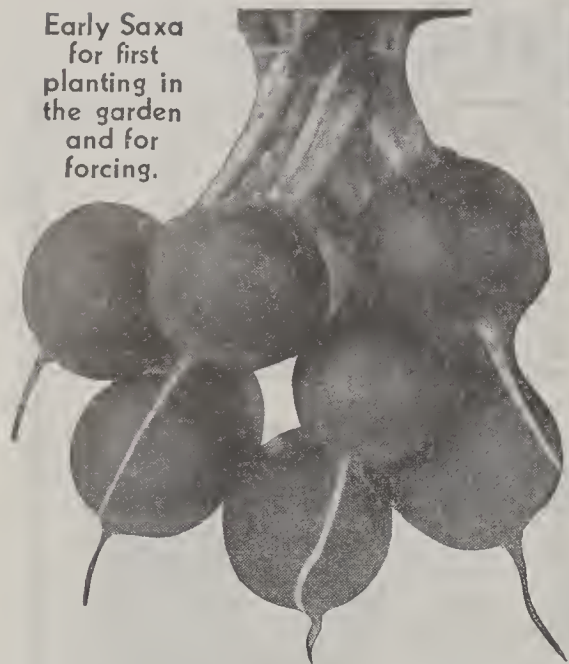
Plant 3 feet apart in rows 3 feet apart. Cut tubers like potatoes.

Girasol will thrive in any soil and responds to liberal feeding, yielding bountifully. The foliage becomes so dense, that after two cultivations, weeds cannot survive. Girasol tubers are relished by livestock and poultry.

The average yield is 10 to 15 tons of tubers per acre, with an equal amount of silage from the tops. Tubers can be left in the ground until the following spring, as they are not injured by freezing.

PRICE: 5 lbs. \$1.00, prepaid to third zone only.—Not prepaid, 10 lbs. 80c, 20 lbs. \$1.50, 50 lbs. \$3.25.

Early Saxa
for first
planting in
the garden
and for
forcing.



New Varieties You Will Like

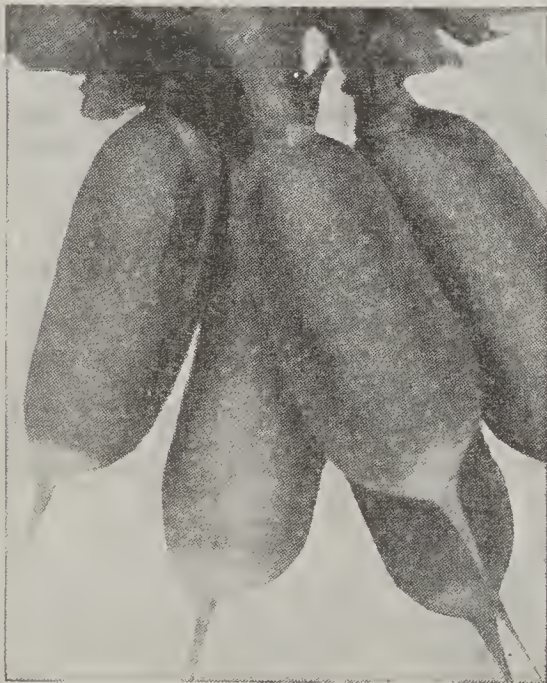
528. NEW GLOWING BALL RADISH

—An All-America Gold Medal Winner. A round, short top radish, fiery bright scarlet with almost an orange glow. Its unusual color never fails to attract attention on the market. Smooth silky skin, ball shaped, one inch or less in diameter, spicily flavored, very early. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

534. NEW "COMET" RADISH—Another All America Winner. A crisp, tender, snappy radish of bright scarlet color and globe to olive shape. Unusual in that it matures very early, yet attains a large size before becoming pithy. Remains crisp, sound and in prime eating condition a very long time. Ideal for forcing, home gardens or market. Pkt. 8c, oz. 15c, ¼ lb. 30c, lb. 85c, prepaid.

531. FIRECRACKER—(22 days.) Here is the sensational new radish that hundreds of our customers have been asking for. This year we were fortunate in securing a limited amount of seed from Holland. It is a distinct type of long scarlet Radish of vivid scarlet color and cylindrical shape with slender taproot—fully as early as Saxa or Scarlet Globe and remains in prime condition for a much longer time. (See inside back cover.) Pkt. 8c, oz. 15c, ¼ lb. 30c, lb. 85c, 2 lbs. \$1.60, prepaid.

530. EARLY SAXA—(22 days.) The earliest radish of all. Principally a forcing sort, but also used for out-of-door planting. Tops very small. Roots: ¾ inch diameter, small, spherical, bright scarlet in color. Flesh: white, crisp and mild. Earliest for market. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.30, prepaid.



French Breakfast is most attractive.

**CRISP
HOME -
GROWN**

Radishes

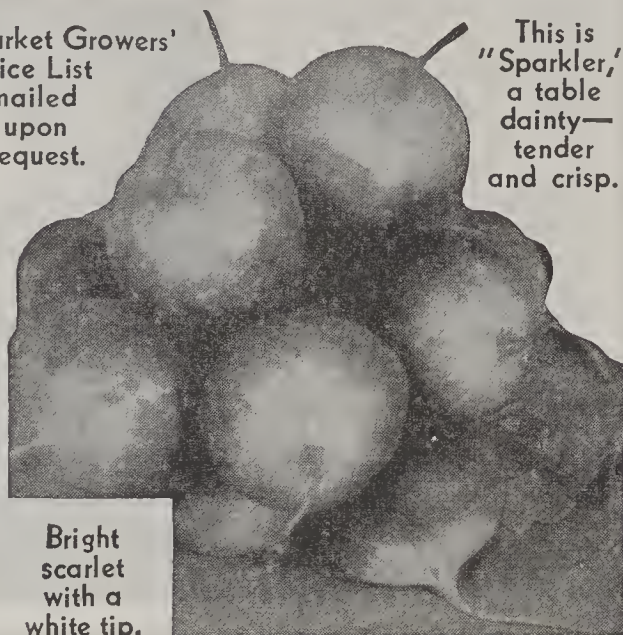
**READY TO EAT
IN
3 TO 4 WEEKS**

One ounce will sow 100 feet of drill, 9 to 10 pounds per acre.

CULTURE—Quick growth is the secret of success. A light, rich soil is required. Sow the seed as early in the spring as the ground can be worked, and every two weeks thereafter throughout the season for succession. Sow round and globe varieties for first crop as they grow faster than the long types and soon turn pithy, so must be harvested promptly. Long types grow more slowly and endure the heat better.

Wormy radishes can be controlled by spraying with Carco. By practicing crop rotation, and changing the planting site each year, serious soil infestation is overcome.

Market Growers'
Price List
mailed
upon
request.



This is
"Sparkler,"
a table
dainty—
tender
and crisp.

Bright
scarlet
with a
white tip.

525. EARLY SCARLET TURNIP—(26 days.) An early variety with small top, well adapted to field culture and forcing. Excellent quality. Roots: 1 inch diameter, round, slightly flattened with small taproot; dark scarlet-red. Flesh: pinkish white, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.25, prepaid.

526. EARLY SCARLET TURNIP WHITE TIP—(26 days.) An attractive sort, extensively used by truckers, and in home gardens. Should be pulled when they are 1 to 1½ inches in diameter. Roots: 1 to 1½ inch diameter, nearly round, with small taproots; carmine-red, with small white tip. Flesh: white, crisp and mild. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.25, prepaid.

529. SPARKLER—(25 days.) Similar to Scarlet Turnip White Tip, but with larger white area. Popular with market gardeners. Roots: round, smooth, dull scarlet-red, one-third white. Flesh: white, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.25, prepaid.

535. IMPROVED EARLY SCARLET GLOBE—(24 days.) Here is the leading variety for market gardeners. Very popular because its excellent quality is combined with very early maturity. Roots: globular, very slightly elongated, with small top; bright scarlet, crisp, tender and of fine quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.25, prepaid.

538. FRENCH BREAKFAST—(25 days.) An early market and home garden sort, with small top. Develops best under glass. It sells readily on the market because of its fine quality and handsome appearance. Roots: ¾ inch thick, 1½ inches long; oblong, dull scarlet with white tip. Flesh: white and crisp. Should be pulled at first maturity. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.25, prepaid.

540. CRIMSON GIANT—(28 days.) A deservedly favorite variety for home gardeners and truckers. Very handsome in appearance and quality is unsurpassed, in spite of its immense size. Roots: 1 to 1½ inches in diameter, very large, globular, deep, crimson in color. The white flesh holds its firmness well and is of superior quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.25, prepaid.

542. MIXED RADISHES—This mixture contains early, summer and winter varieties; all kinds, colors and shapes, a large assortment, ready for the table, early, medium and late. You always have some that are just right, sweet, tender and juicy. This mixture is for a small garden, where space is limited and one sowing does for the whole season. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, 2 lbs. \$1.00, prepaid.

Bothered with ROOT MAGGOTS? Try CARCO Vegetable Spray I

For control of Root Maggots which attack your CABBAGE, CAULIFLOWER, ONIONS, BEETS, RADISHES and TURNIPS, use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON, and it's the best we know of to keep root maggots out of your garden! Order early and use it in time! ½ pint makes 6 gallons of spray. Easy to use—complete directions. ½ pint 55c, pint 85c, quart \$1.40, postpaid. See page 75 for spray gun.

White Varieties

546. WHITE ICICLE—(27 days.) Flesh remains crisp and tender until roots attain large size. Roots: 6 inches long, slender, tapering at the tip, very white. Flesh: clear white, brittle and of mild, inviting flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, 2 lbs. \$1.25, prepaid.

Iceicle
is a
long
rooted
waxy
white
Radish.

Extra
early,
mild and
crisp.

A home
garden
favorite.



Long Keeping Winter Radishes

Sow in early July and allow to develop during the fall months. Dig before frost and store in a cool place.

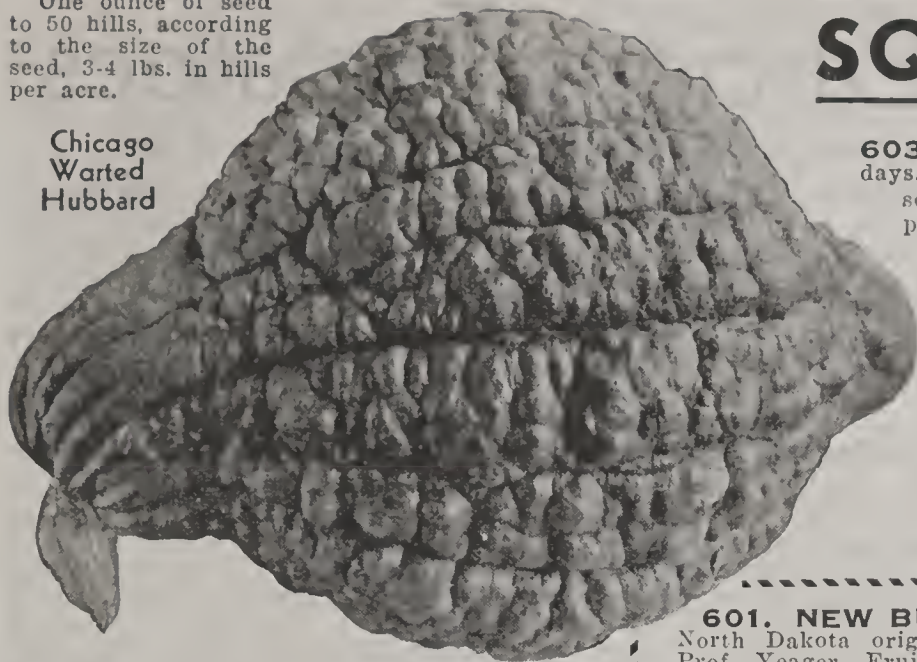
555. CALIFORNIA WHITE MAMMOTH—(60 days.) Roots: 8 inches long, 2 inches thick; cylindrical and thickest at lower end. Flesh: white, crisp and not pungent. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, prepaid.

558. ROSE CHINA—(52 days.) Roots: 6 inches long, 2 inches thick, cylindrical, but thicker at lower end; blunt, smooth, bright rose-red in color. Flesh: white, very firm and pungent. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, prepaid.

559. LONG BLACK SPANISH—(58 days.) Roots: 9 inches long, 2½ inches thick; cylindrical, slightly tapered at tip; skin black and wrinkled. Flesh: white, solid, pungent. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, prepaid.

One ounce of seed to 50 hills, according to the size of the seed, 3-4 lbs. in hills per acre.

Chicago Warty Hubbard

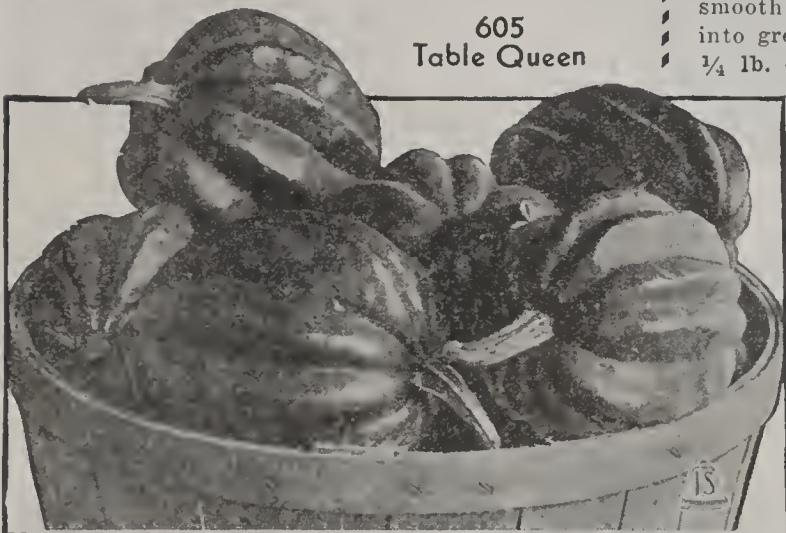


598. CHICAGO WARTED HUBBARD—(110 days.) A very prolific good keeping sort, somewhat larger than the original Hubbard, and more thickly covered with warts. Excellent flavor and quality. Fruits: 14 inches long, 10 inch diameter; weight 14 lbs., pointed at each end, very dark green. Flesh: deep orange-yellow, dry and sweet. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

599. IMPROVED GREEN HUBBARD—(105 days.) A standard winter sort for home or market. Fruit: 12 inches long, 9 inch diameter; weight 12 lbs., pointed at both ends, slightly warty, dark bronze green in color; rind hard and tough. Flesh: very thick, orange-yellow, dry and sweet. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

600. GOLDEN HUBBARD—(100 days.) Similar to Green Hubbard, but earlier, smaller and more prolific. Fruit: 11 inches long, 9 inch diameter; weight 10 lbs., somewhat pointed at each end, moderately warty, orange-red, with faint cream colored stripes toward blossom end. Flesh: deep orange, dry and of fine quality; it keeps well. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. 90c, prepaid.

605 Table Queen



SQUASH for keeping and baking

603. DELICIOUS—(102 days.) A very popular winter sort. No other squash compares with it in richness of flavor. An excellent keeper. Fruit: 11 inches long, 8-inch diameter; weight 7 to 8 lbs.; top shaped. Skin dark green with light green stripes toward the blossom end. Flesh: orange, dry, and of good flavor. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. 90c, prepaid.



604 New Golden Table Queen—A 1939 All America Medal Winner.

(See Inside Back Cover)

604. NEW GOLDEN TABLE QUEEN—(60 days.) An unusual, handsome new, long keeping variety, edible from early fall throughout the winter. Resembles the regular Table Queen, except the size is slightly larger and the color is deep beautiful gold. The fruits are deeply ribbed, pointed at the blossom end; the orange flesh is thick, dry and of fine texture. The golden ripeness of this fruit gives it an attractive appearance on the market that appeals to the critical buyer. Size 5 ¼ x 3 ¾ inches, weight 1 ¼ pounds. A 1939 All-America Medal Winner. (See inside back cover.) Pkt. 8c, oz. 15c, ¼ lb. 45c, lb. \$1.25, prepaid.

605. TABLE QUEEN—(58 days.) An early maturing variety, trailing in habit and of exceptional flavor and quality. Very desirable for home or market garden use and for shipping. Fruit: 6 inches long, 4 ½ inches diameter; weight 1 ½ lbs., acorn shaped, ribbed, smooth, thin shelled, dark green. Flesh: light yellow, bakes well, with inviting flavor. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

606. SWEET POTATO SQUASH—(58 days.) A small, early squash of the most pleasing flavor and unusual quality. The skin is smooth, of light golden color, striped with green at the ridges. The flesh is thick, deliciously sweet, and of fine texture. Size 7 ½ x 3 inches, weight 1 ¾ lbs. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.00, prepaid.

Trial Packet . . 8c

607. KITCHENETTE—(100 days.) A new Dwarf Hubbard from the Minnesota Experiment Station that combines the better qualities of several varieties. Has the size of the Table Queen, the delightful flavor of the Delicious, keeping qualities and yield of Hubbard. Weight: 5 to 7 lbs. Quality is splendid—cooks up mealy and dry, with a delicious nutty flavor. Just the right size for average family use. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

596. STRIPED COCOZELLE—(65 days.) An early summer squash of the popular "Zeppelin" shape. Sells on sight because of its handsome appearance. Long, smooth, dark green with lighter green stripes which change to deep yellow when ripe. Fruits are 14 inches long, 5 inches thick, weigh 3 ½ lbs. Flesh: greenish white, firm and tasty. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.00, prepaid.



Eat More Home-Grown

SPINACH

One ounce plants 100 foot row.

584. KING OF DENMARK SPINACH—(45 days.) Highly desirable for canning and for market gardens. Large, spreading plants carry broad, rounded, very dark green leaves which are somewhat crumpled. Excellent for spring planting as it is slow to go to seed. Very hardy and of good quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 45c, 2 lbs. 80c, prepaid.

585. TENDER GREEN MUSTARD SPINACH—An Oriental type of mustard and not a true spinach. Grown for greens. It is a very desirable, quick growing, tender variety with long, broad, smooth leaves and white mid-ribs. The leaves are usually ready for cutting in 3 to 4 weeks. Dry weather will not injure the crop. The flavor of this new vegetable resembles spinach with a very mild mustard taste. The best summer green. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c, postpaid.

CULTURE—Succeeds best on rich, well drained soil. Sow early in spring, one inch deep, in rows 12 to 15 inches apart. For succession sow every two weeks until June.

NEW ZEALAND SPINACH →
—tender, succulent, good flavor.

586. BLOOMSDALE SAVOY LEAVED—(39 days.) A very early, vigorous variety, desirable for home gardens, for shipping to distant markets and for canning. Plants erect in growth, hardy and attractive. Leaves large, crumpled, somewhat blistered; dark glossy green. Seeds fairly early. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 45c, 2 lbs. 85c, prepaid.

589. NEW ZEALAND—(70 days.) Native of New Zealand—quite distinct from other varieties of Spinach, it thrives in hot dry weather. The large spreading plants have small, thick pointed deep green leaves, which can be picked repeatedly throughout the season. Soak seed in hot water for several hours before planting. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.

Luscious Tomatoes

1 oz. Produces 2000 Plants, 1/4 lb. to Transplant an Acre

CULTURE—The time from setting out plants to marketable stage is listed here. For early plants, sow the seed in flats or hotbeds, in March. Cover with soil to a depth of one-half inch. The seed germinates in 6 to 12 days. When the plants are 3 inches high, transplant them to other flats, or preferably to paper pots, giving each plant 4 inches of room. About the end of May, set the plants out in the garden, 3 feet apart each way. Pinching off some of the stems will make the plants bear more abundantly.



617. Scarlet Topper

Dependable Favorites

611. SCARLET EXTRA EARLY JUNE—(60 days.) This tomato ripens a whole week earlier than Earliana, and is very productive. Fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem end coloring up perfectly. Flavor is delicious, fruit is firm and meaty, with few seeds. Pkt. 8c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.00, lb. \$3.50, prepaid.

612. SPARKS EARLIANA—(65 days.) Fruit: flattened, medium size, firm, bright red, quite smooth. Vine: open spreading, medium small. A first early sort, widely used for home gardens and truckers. Pkt. 5c, 1/2 oz. 15c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

617. SCARLET TOPPER—(73 days.) A scarlet, self-topping, disease-resistant variety. It is highly productive, of excellent quality, and very valuable for market garden use and for long distance shipping. Fruit: large, smooth, solid, with thick walls and cross sections: color light scarlet. A tasty tomato either sliced or canned. Pkt. 8c, 1/2 oz. 25c, 1 oz. 40c, 1/4 lb. \$1.25, prepaid.

628. JOHN BAER—(70 days.) Here is an excellent early sort maturing between Earliana and Bonny Best. Excellent for local market gardening and canning. Fruit: medium sized, semi-globular, very attractive, bright scarlet red, smooth and firm. Vine: of medium height and open growth. Pkt. 5c, 1/2 oz. 15c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

635. BONNY BEST—(74 days.) A standard second early variety, valuable for market gardeners, shippers, and canners and perhaps the most generally grown variety. Fruit: medium sized, apple shaped, smooth, solid, bright scarlet color of fine quality. Pkt. 5c, 1/2 oz. 15c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

636. CRIMSON CUSHION or BEEF-STEAK—(90 days.) Very large, round, and uniform, bright scarlet in color. Flesh is solid and meaty, of deliciously mild flavor, with only a few small seed cells. The vines grow from 8 to 10 feet high, and may be trained or tied to a trellis, forming a most ornamental fence for the vegetable garden. If planted early, Beef-steak will ripen by the middle of July, and continue to bear until killed by frost. Pkt. 8c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25, prepaid.

evenly from the inside out, to a uniform bright scarlet color, is mildly acid and of pleasing taste. Especially valuable for slicing and in the making of sparkling bright red juice. Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.10, prepaid.



608. NEW PENN STATE—An All-America Winner. A splendid, new, very early tomato with attractive medium sized fruit of nearly globular shape and rich even scarlet color—with no blemishes. Flesh is of superb quality and flavor with rich dark red color, very little core and few seeds. Valuable for home or market because of earliness and tremendous yield. Pkt. 8c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25, prepaid.

609. EXTRA EARLY BISON—(63 days.) See Color Illustration Front Cover. Developed by Prof. Yeager, North Dakota Agricultural College. In repeated trials it has produced an early and very heavy crop under conditions that would mean failure to most sorts. Fruit a little larger than Earliana, deep scarlet, meaty, few seed and of finest quality. Bison has produced over 40 lbs. of ripe fruit on one plant. Matures a few days ahead of Earliana but far superior in yield and quality of fruit. Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.75, prepaid.

613. NEW RED RIVER—A new introduction by Prof. Yeager of North Dakota Agricultural College. It proved to be the heaviest yielder out of over 40 varieties tried at the experiment station at Nordon, Manitoba, Canada. It is therefore exceptionally early—fruits small to medium size—bright scarlet—slightly flattened shape. Pkt. 8c, 1/2 oz. 25c, 1 oz. 40c, 1/4 lb. \$1.25, prepaid.

614. PHENOMENAL—(70 days.) A new continuous bearing medium early variety. Develops strong vigorous vines, with large size fruits, nearly round or slightly flattened. They seldom crack—are exceptionally solid, ripen evenly and have a bright scarlet color all the way through. The flavor is excellent and not very acid. It resists both blight and rust. Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.75, prepaid.

615. JUBILEE CLIMBING TOMATO—A new novelty—grows 10 to 12 feet high, with delicious red fruit 3 1/2 inches across and 2 3/4 inches deep. It is a record yielder, producing solid, meaty fruits until killed by frost. Nearly two bushels of fruit have been picked from a single vine. Fine for screen or trellis planting. Pkt. 15c, 1/2 oz. 50c, prepaid.

618. NEW SCARLET DAWN—(70 days.) A Gold Medal Winner. Fruit: very large with thick wall structure—globular, smooth, free from flat sides and puffiness. Color: bright scarlet, ripening well to the stem. Very attractive and appetizing in salads, spicy tomato juice or snappy catsup sauce. Pkt. 8c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25, prepaid.

159 Bison Tomatoes on one Plant!

Grown by Elmer E. Smith, Tonawanda, N. Y.

EXTRA EARLY BISON



Little Olive Smith (age 4) → enjoyed filling her basket with Farmer Seed & Nursery Company's Bison Tomatoes, picked from her Daddy's big Bison plant.

Prevent "DAMPING OFF" with SEMESAN. See page 14.

TOMATO PLANTS on page 25.

CUT-WORMS? Plant Guards. Page 26. Insecticides. Page 73.

Tomato Novelties

616. OXHEART—(90 days.) In shape it's different from any other tomato. It is of great size, has very thick flesh and is almost seedless. Excellent in salads. Fruit: extremely large, heart shaped, pink; very solid, meaty, and of mild flavor. Vine: open, spreading, fairly productive. Pkt. 10c, ½ oz. 30c, 1 oz. 50c, ¼ lb. \$1.75, lb. \$6.00, prepaid.

639. GIANT PONDEROSA — (88 days.) The largest tomato grown. A splendid sort for home use and for canning, as the fruits are so solid, meaty and free from acid. Fruit: very large, flat, purplish pink, solid, with small seed cells; of inviting flavor. Pkt. 8c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25, prepaid.

642. GOLDEN PONDEROSA—(89 days.) An exceptionally large, mild flavored, yellow sort for the home garden for late maturity. Fruit: very large, flat, deep yellow, quite solid, slightly rough, with small seed cells. Vines: large, spreading, strongly resistant to wilt. Pkt. 8c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25, prepaid.

644. FARGO YELLOW PEAR—A delicious early tomato of novel appearance. An ideal sort for making fancy pickles, preserves, canning, etc. Fruit is pear shaped and of attractive golden color. Easily grown and yields wonderfully. Do not fail to try it. Pkt. 10c, ½ oz. 30c, oz. 50c, prepaid.

653. GROUND CHERRY OR HUSK TOMATO—(86 days.) This is not a true tomato. Used as a novelty and for preserves. Flavor is outstanding. Excellent in combination with oranges, lemons or ginger. Fruit: small, yellow, round, enclosed in a loose, papery husk. Of delicate flavor. Vine: spreading and flat. Pkt. 5c, ½ oz. 20c, oz. 30c, ¼ lb. 90c, prepaid.

"Snowball" New Ivory-White Tomato



Acid-Free!

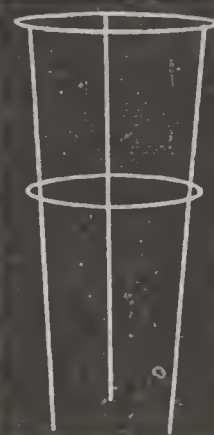
637. A novelty everyone will admire. Ivory white fruit—paper white flesh. A tomato anyone can enjoy as it contains no acid. Grows to large size, and the quality is excellent. Grow something different. Pkt. 10c, ½ oz. 50c, oz. \$1.10, prepaid.

Sept. 20, 1938
F. S. & N. Co.
"I have been gardening for the past fifty years, but have never grown Tomatoes that could compare with Bison. I bought my seed of you last spring. The plants are ideal for the home garden as they do not grow large and can be set close together. They bear heavily and the Tomatoes are just the right size."
William Smith,
Suffern, New York

Adams Tomato and Peony Supports

Made of strong galvanized wire—will not rust. The most satisfactory plant support on the market. Inexpensive—will last for years.

Diameter Top Ring	Height	Gauge Wire	Price Prepaid 2 for	Not Prepaid 5 for
14 in.	30 in.	6	\$0.50	\$0.90
18 in.	30 in.	6	.60	1.10
18 in.	30 in.	3	.80	1.50
24 in.	42 in.	3	1.10	2.10



616
Oxheart

Tomato

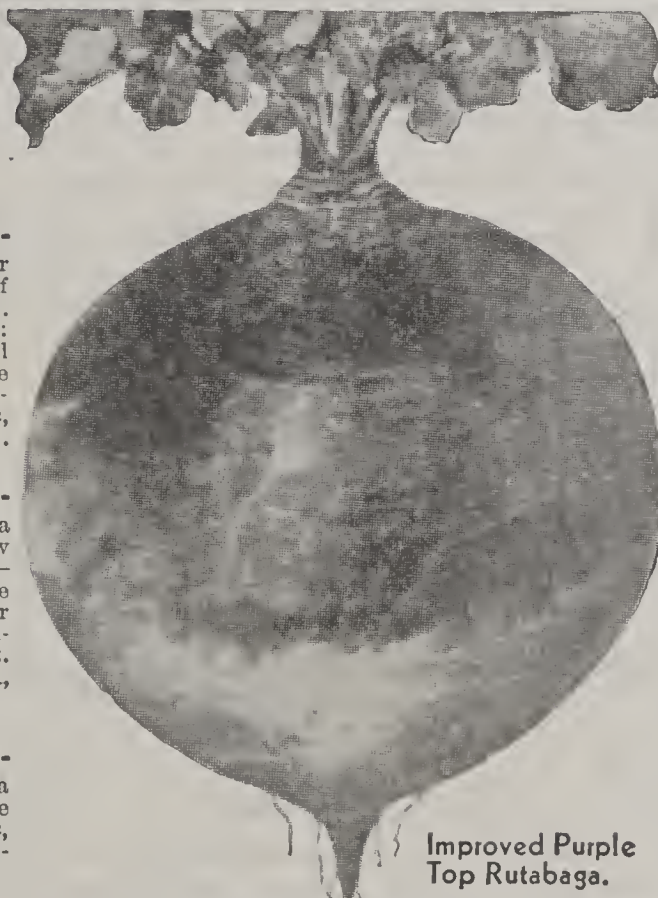
A late large-fruited variety, heart shaped, rosy pink and very solid-fleshed with few seeds.

Rutabagas

698. IMPROVED AMERICAN PURPLE TOP RUTABAGA—(88 days.) Our special strain is noted for its uniformity of shape and heavy yield. A dependable variety. Keeps well and of excellent quality. Roots: 5 to 7 inch diameter, large, round with small neck and slight tap root; yellow with purple top. Flesh: light yellow, firm, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 40c per lb.

701. F. S. & N. CO'S EARLY NECKLESS RUTABAGA—A new variety and a great improvement over Purple Top Yellow Rutabaga. It is earlier—entirely neckless—free from side roots, round and uniform. The flesh is white, fine grained and sweet. Another money-maker for market gardeners and a quality vegetable that sells on sight. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c, prepaid.—Not prepaid, 5 lbs. at 50c per lb.

700. YELLOW MAMMOTH RUTABAGA—A large size root of good shape, a heavy yielder and very hardy. One of the most profitable to grow. Keeps well. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. and over at 40c per lb.



Improved Purple
Top Rutabaga.

Turnips

681. EXTRA EARLY PURPLE TOP MILAN TURNIP—(40 days.) An extra early sort for home garden and truckers. Of excellent quality. Roots: 4 inch diameter, very flat, white with purple top. Flesh: clear white, fine grained, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

683. WHITE EGG TURNIP—(55 to 60 days.) An early variety adapted for either spring or fall sowing. Roots: 2½ inch diameter, 3½ inches long; egg-shaped, white throughout; smooth, fine grained and of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

685. PURPLE TOP WHITE GLOBE TURNIP—(58 days.) Our pure bred strain is noted for its uniformity and productivity. Roots: 4 to 6 inch diameter, large globe shaped, very smooth, upper part purple-red, white below. Flesh: white, sweet, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

686. EARLY PURPLE TOP STRAP LEAVED TURNIP—(45 days.) A medium early productive variety, used extensively for home and market garden planting. Roots: 3 to 5 inch diameter, flat, purple red at the tops, white below. Flesh: white, fine grained and tender. Tops, medium, upright and compact. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 45c per lb.

CULTURAL DIRECTIONS FOR TURNIPS AND RUTABAGAS

One ounce will sow 125 feet of drill, two pounds per acre in drills, three pounds broadcast.

Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas keep much longer than Turnips, otherwise there is but little difference in flavor.

Vegetables that put "Snap" into your Menus

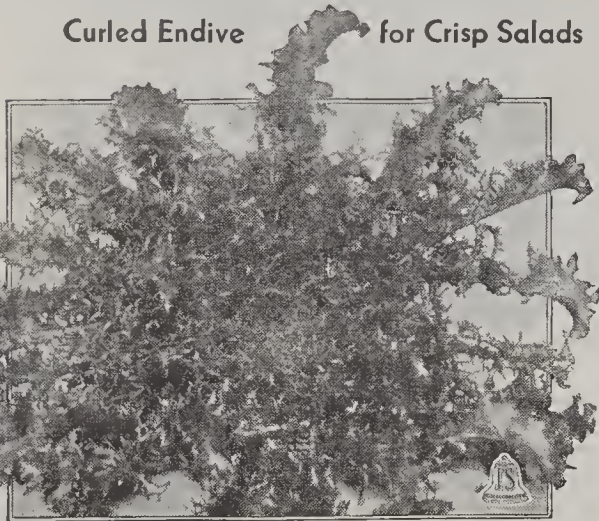
KALE or BORECOLE

This member of the cabbage family does not form heads, but is grown for greens. Can be sown late, as plants continue to grow late in the season. A heavy frost improves the flavor and quality of the thick, crumpled leaves.

75. DWARF GREEN CURLED—Plant is low and compact with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

76. TALL GREEN CURLED SCOTCH—Hardy plants with leaves deeply cut; curled at edges, light green in color. Very tender after exposure to frost. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

Curled Endive for Crisp Salads



ENDIVE

305. GREEN CURLED—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

SALSIFY Vegetable Oyster

One ounce for 100 feet of row.

Sow early and quite deep, giving same culture as for parsnips. The roots when cooked are appetizing and nutritious, with a mild, oyster-like flavor.

592. MAMMOTH SANDWICH ISLAND—An improved variety with roots 6 to 8 inches long, 1 to 1½ inches thick, tapering, smooth, dull white. Plants 3½ feet tall. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50, prepaid.

Garden Huckleberries

Make Delicious Pies, Preserves and Jams

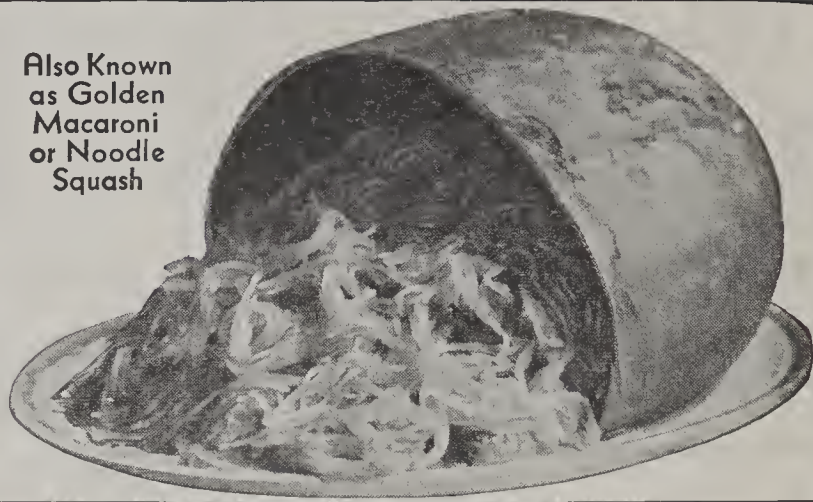


655. The berries are borne in clusters and when ripe are a shining black color, about ½ to ¾ inch in diameter. Plants grow 3 feet tall and thrive on any soil. Culture same as for tomatoes. Pkt. 10c, ½ oz. 40c, oz. 65c, prepaid.

Vegetable Spaghetti

314. Smooth, creamy-white fruits, 8 inches long and 5 inches thick. Pick when well matured. Store like squash for winter. Before cooking, puncture one end, place in kettle of hot water and cook 30 minutes. Cut in half, remove center seed core, and flesh will fall out in shreds, suggestive of spaghetti. Serve hot with salt and butter, or with a cream sauce. Pkt. 8c, oz. 20c, ¼ lb. 70c, prepaid.

Also Known as Golden Macaroni or Noodle Squash



HERBS

To Flavor, Season and Garnish

To keep over winter, cut on a dry day, just before they are in full bloom. Dry in the shade and store in air-tight Mason jars.

661. CHIVES—Used for seasoning, of mild onion flavor. Pkt. 8c, ½ oz. 35c, oz. 50c, prepaid.

663. DILL—Seeds have an aromatic odor and pungent taste. Used for pickles. Pkt. 5c, oz. 10c, ½ lb. 40c, lb. 75c, prepaid.

670. MINT—Old-fashioned. Mint leaves add zest to cool, refreshing drinks as lemonade, ice tea, mint juleps. Fine for sauce. Pkt. 10c, oz. \$2.50, prepaid.

671. MARJORAM—The young, tender tops are used green for flavoring, or they may be dried for winter use, for flavoring broths, dressings, etc. Pkt. 8c, oz. 35c, prepaid.

674. SAGE—The leaves and tops are used very extensively for seasoning. Pkt. 8c, oz. 35c, prepaid.

675. SUMMER SAVORY—A hardy annual. The dried stems, leaves and flowers are fine for flavoring soups, dressings, etc. Pkt. 8c, oz. 30c, prepaid.

676. THYME—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 8c, oz. 50c, prepaid.

Special Herb Offer

5 Pkts. Your Choice of Any Above 30 c Ppd.

CELERIAC

Turnip Rooted Celery

The roots are used in salads or boiled like parsnips, or turnips, and have a celery flavor. They keep well all winter. Celeriac may be cooked and served with cream sauce, or used as a salad.

199. LARGE ERFURT—Roots large, smooth, turnip-shaped, excellent flavor. Pkt. 8c, oz. 20c, ¼ lb. 60c, lb. \$2.10, prepaid.

EGG PLANT

One ounce will produce 1,000 plants.

Sow seed in hotbed in March, when an inch high, pot in 3-inch pots. Set out about June 1st, 2½ feet apart.

302. BLACK BEAUTY—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 8c, ½ oz. 20c, oz. 30c, ¼ lb. \$1.00, prepaid.

KOHLRABI

One ounce for 200 feet of row.

Sow the seed in light, rich soil as early in spring as possible. Thin to 6 inches apart in the row. Sow at intervals of 10 days for successive crops. Ready for use when 2 to 2½ inches in diameter.

310. EARLY PURPLE—(62 days.) Dwarf plants having short, green leaves with purple stems and veins. Bulbs globular purple, with white, tender flesh. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.80, prepaid.

311. EARLY WHITE VIENNA—Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.

Kohlrabi is a delicious vegetable.



This is EARLY WHITE VIENNA.

LEEK

312. LONDON FLAG—A species of onion ideal for flavoring soups. Thin plants to 6 inches apart. When 8 inches high transplant in rows 10 inches apart, deep as possible to blanch neck. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.50, prepaid.

MUSTARD

315. FORDHOOK FANCY—A handsome, mild variety, slow to bolt seed stalks; leaves bright green, plume-like, with fringed edges. Delicious as a salad, or cut and boiled like spinach. The reddish-brown seed is used for flavoring and in pickles. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.

Mustard Spinach on Page 21

Brussels Sprouts and Broccoli on Page 4

Garlic and Onion Plants on Page 15



Vegetable Roots and Plants



Transplanted Vegetable Plants

On plant orders less than 60c, add 15c for packing

We supply good healthy transplanted plants of all the varieties listed below, in their proper season. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Prices on plants in 1,000 lots are for seedlings. Special varieties will be grown for you if ordered early.

We cannot accept shipments beyond the third zone (300 miles) at prices quoted—all shipments beyond the third zone are sent at customer's risk.

On Plant Orders Less Than 60c Add 15c for Packing. 50 or more plants at the 100 rate.	Ppd. to 3rd Zone Dozen 100	Not Ppd. 1,000
CABBAGE, Early. Ready in April and May. Marion Market (yellows resistant) midseason, Golden Acre, earliest, flat head.....	\$0.25	\$1.00 \$8.00
CABBAGE, Late. Ready in June. Hollander or Danish Ballhead (yellows resistant).....	.25	1.00 8.00
CAULIFLOWER. Ready in April and May. Super Snowball .....	.30	2.00 12.50
CELERY, Early. Ready in June. Golden Self Blanching .....	.25	1.25 9.50
CHIVES. Ready in April. Per bunch, about 1 doz. plants .....	.30	
EGG PLANT. Ready in May and June. Black Beauty .....	.35	2.00 12.50
GROUND CHERRY. Ready in May and June.....	.35	2.00 12.50
PEPPER. Ready in May and June. Hungarian Early (Hot Pepper) California Wonder.....	.35	2.00 12.50
SWEET POTATO PLANTS. Ready in May and June .....	.25	1.00 6.00
SAGE. Ready in May and June. 6 for 30c....	.50	
TOMATOES. Ready in May and June. Rutgers, Scarlet Topper, Earliana, Ponderosa, Bonny Best, John Baer, Oxheart, Bison.....	.30	1.50 10.50

Tomatoes and Peppers—Individual Potted Plants 75c per dozen, prepaid.

FLOWERING PLANTS—See Page 57

Shovel Steel Garden Trowel



Made of high carbon shovel steel, 6-in. blade. Heavy malleable shank. Upper part of blade enameled blue, varnished handle. Price: 20c, prepaid.

Washington Asparagus Roots

Sixty plants will fill a hundred feet of row and will supply a family of four.

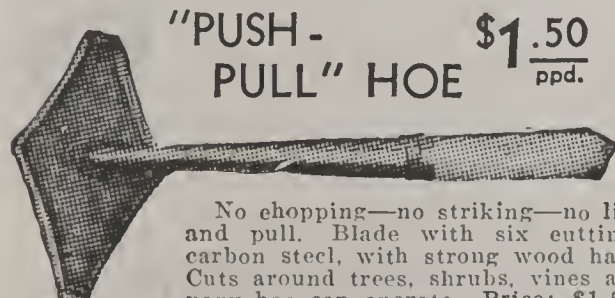
Free circular: "How to Grow Asparagus." Ask for it! Giant Rust-proof — a fast grower.

The tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched. The soil should be deeply dug, and plenty of fertilizer mixed in, before the roots are set out. Set the roots in rows 3 feet apart and 1½ feet apart in the rows. The plants should be set so that the crowns are 2 inches below the surface. One-year-old plants are considered best for setting out.

Price: One-year-old roots, 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid to 3rd zone.—Not prepaid: 500 for \$5.00, 1,000 for \$8.50.

Horse Radish Roots (Maliner Kren)

The large white variety from Bohemia—much larger and sturdier roots than the common variety. Exceptionally fast grower and most profitable of all. Flesh pure white. By mail, 12 for 35c, 100 for \$1.50, prepaid.



"PUSH-PULL" HOE \$1.50 ppd.

New Time and Labor Saver.

An amazingly effective hoe for weeding and mulching. Works fast—and so easy to operate—it's child's play!

No chopping—no striking—no lifting. Just an easy push and pull. Blade with six cutting edges—made of high carbon steel, with strong wood handle. Easy on the back! Cuts around trees, shrubs, vines and plants where no ordinary hoe can operate. Price: \$1.50, prepaid.

Frost Proof Cabbage Plants

No Delivery Beyond the Third Zone (300 Miles).

On plant orders less than 60c, add 15c for packing

These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked and are not injured by shipping or transplanting, as they make strong growth.

We offer the three best sorts in bundles of about 100 of a kind only, which cannot be divided. Prices include postage.

EARLY JERSEY WAKEFIELD, FLAT DUTCH or COPENHAGEN MARKET. Price 100 for 60c, 200 for \$1.10, 500 for \$2.25, 1,000 for \$3.50, prepaid to 3rd zone.

Not available after May 1.

Iowa grown plants of the above varieties will be available at the same prices from May 1st to June 10th.



Frost Proof Cabbage.

Bermuda Onion Plants

Not Available After May 1st.

To mature extra early, these are grown in Texas, under winter conditions that make them extremely hardy and vigorous. They produce the finest flavored mild onions, in just a short time. They are excellent to grow for green onions, early in spring, or they may be allowed to develop to their full size and used in the fall. They grow large and are fine for market.

We ship Onion Plants at proper time for setting out. In bundles of 75-100 each.

Prices: Two bundles 30c, 5 bundles 60c, 10 bundles \$1.00, prepaid, to 3rd zone. Case of 60 bundles \$3.50, not prepaid, weight 35 lbs.



Bermuda Onion Plants.

Ruby Rhubarb

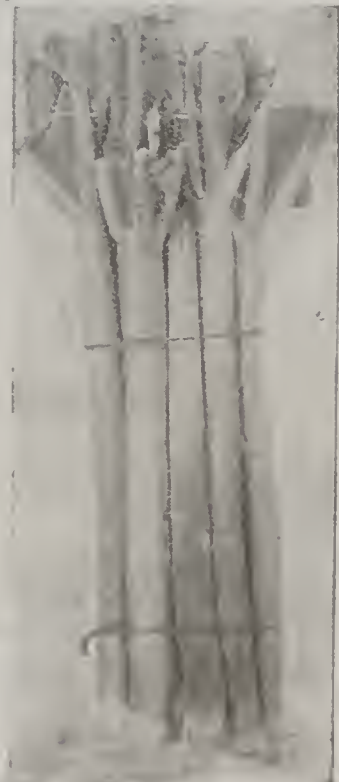
A new intensely red rhubarb originated in Canada. Even the inside of stalk is red. Makes delicious rhubarb sauce. Price: strong roots 45c each, 5 for \$2.10, 10 for \$3.30, prepaid to 3rd zone.

Victoria Rhubarb or Pie Plant

Rhubarb affords the earliest sauces and pies in spring. Set roots out in spring or fall, in rows 4 feet apart so the crowns are an inch below the surface. Do not pull stalks the first season. Plants set out in the spring will bear quite abundantly the following season. Fertilizing in the fall will be of great help to the next season's crop. Price: 3 for 30c; 12 for \$1.00, postpaid to 3rd zone.—Not prepaid: 100 for \$5.50.

New MacDonald Red Rhubarb

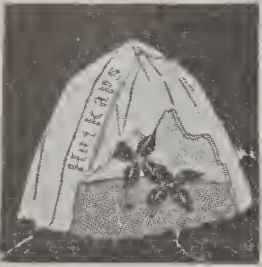
This is the new strain becoming immensely popular with growers everywhere, on account of its bright crimson color. It originated in Quebec, and roots only are available. Produces large tender stalks, very succulent, and has a bright raspberry color when cooked. This variety will replace the common strain as soon as production can be increased. Roots while available are offered at 40c each, 5 for \$1.75, prepaid to 3rd zone. Not prepaid, 10 for \$2.75, 25 for \$6.50.



New MacDonald Red Rhubarb.



Money-Makers for the Gardener



"Germaco" Hotkaps

MODERN INVENTION PROTECTS PLANTS FROM FROST.

"GERMACO" HOTKAPS can make many extra dollars for you this season. They are patented wax paper cones—"Individual hothouses for each plant"—that completely cover them, and fully protect them from frost, wind, rain, ground-crusting, and insects. This is your assurance of earlier, bigger crops, and higher early-to-market prices. Hotkaps are inexpensive and easy to use.

One man "sets" 2,500 per day.

Hotkaps enable growers to market crops three weeks earlier and reap the fancy prices paid early in season.

PRICES:

Home
Package
Hotkaps

Hotkaps
only.

Leaflet
free

25 Hotkaps and Cardboard Setter\$0.60 prepaid

100 Hotkaps with Tin Setter and Tamper..... 2.25 prepaid

250 Hotkaps with Tin Setter and Tamper..... 4.00 prepaid

100 for \$1.65—250 for \$3.00 prepaid.

500 for 5.50—1000 for 9.75 prepaid.

5000 at \$9.50 per 1000—not prepaid.

Steel Hotkap Setter (with handle) and Tamper—\$1.50.
Tin Setter, each 50c; Steel Tamper, 25c.
Weights—1,000—28 lbs., 250—9 lbs., 100—5 lbs.

PREPAID
PRICES TO
3rd ZONE

Sage Hi-Caps

A New Type of Plant Protector
Guards plants against rain, frost, insects, wind, birds and crusting. Makes earlier marketing possible. Hi-Caps are especially designed for growing tomatoes and other high growing plants. Well ventilated—amply large, 10 in. diameter at base and 12 in. high. Reinforced construction. One man can set 3,000 in one day. Hi-Caps are economical and inexpensive to use.



Price: No. 2020— 20 Hi-Caps and Paper Setter, 60c ppd.

No. 5010— 50 Hi-Caps and Paper Setter, \$1.10 ppd.

No. 250— 250 Hi-Caps only, \$4.15 ppd.

No. 1000—1,000 Hi-Caps only, \$10.25 not ppd.

5,000 Hi-Caps @ \$10.15 per M, not ppd.

Light Weight Aluminum Setter (2 lbs.)—each. \$1.60 ppd.

Masters Rapid Plant Setter

The only practical tool for transplanting all kinds of plants—Tomatoes, Cabbage, Cauliflower, Pepper, Egg Plant, etc. Not recommended for Strawberry Plants.

Each plant is set, watered and covered in one operation, without any stooping or lame backs. Cuts labor to one-third. With the Masters Rapid Plant Setter, one man will set 8,000 to 15,000 plants per day—this is more than three men can do by hand.

Does Perfect Work.

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water into the ground. This is "Nature's Own Way." Transplanting losses are reduced to the minimum. The tiny roots are sucked into the ground almost as though they grew there and the plant takes hold and starts to grow at once.

Thousands are in use—they are guaranteed to satisfy you fully or money back. This Setter will pay for itself within the first week of use. Price: \$5.25, f. o. b. Faribault. Weight, 7 lbs.



Neponset Plant Bands

For starting and growing seedlings—shipping young plants—protection against cutworms.

Neponset Plant Bands are made of heavy durable, waterproof paper. The ingenious side locking construction makes for convenience in setting up.

Plant Bands: Size 2 inch—100 for 45c, prepaid. Not prepaid—500 for \$1.60—1,000 for \$2.85. Three-inch size, for larger plants, 100 for 55c, prepaid. Not prepaid, 500 for \$2.10—1,000 for \$3.90.

KWIK-WORK DANDELION KNIFE

35c prepaid

Just a jab and you sever the tap-root which puts an end to the dandelion. Later rake up the roots and no holes in the lawn.

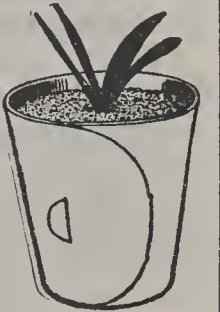
Made of tempered steel with 10-inch blade. Well suited for cutting asparagus. 35c, prepaid.



Neponset Flower Pots

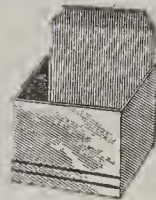
Adapted for growing, transplanting or shipping. Made of tough, waterproof green paper, eliminating breakage. Permits speed in handling and more economical than clay pots. Used by the best gardeners everywhere. The green pots are somewhat heavier for frequent handling. Weight 4 in., 52 lbs. per 1000.

PRICES:	25	100	1,000
	Prepaid	Prepaid	Not Prepaid
2 1/2 -inch. Green..	\$0.25	\$0.75	\$5.00
3 -inch. Green..	.30	.90	6.00
3 1/2 -inch. Green..	.35	1.10	7.50
4 -inch. Green..	.40	1.30	9.50
5 -inch. Green..	.50	1.65	14.00



Berry Boxes and Crates

EWALD'S FOLDING BERRY BOX



Complying with all state laws, this box is considered the most practical—saves time and effort—no nails or stapling. A strong non-collapsible box. Packed 125 quart boxes in a crate.

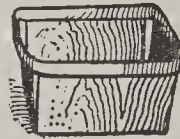
Quart Size—125 boxes, \$1.50; 250 boxes for \$2.85; 500 for \$4.85; 1,000 for \$9.00.

Pint Size—100 boxes, \$1.20; 200 for \$2.25; 400 for \$3.95; 1,000 for \$8.00, f. o. b. Faribault. Exp. or freight only in 400-1,000 lots.

EWALD
CRATES

24-Quart size—22c each; 100 @ 20c each.
24-Pint size—20c each; 100 @ 18c each.
(Shipped K. D.)

AMERICAN ONE-QUART BASKETS AND CRATES



All made up—firmly constructed—standard size—packed nested. Our best seller and most economical to use. Price: 100 baskets, \$1.00, 500 baskets, \$3.95, 1,000 baskets, \$6.95.

PINT SIZE BASKETS—100 for 90c, 500 for \$3.75, 1,000 for \$6.75. F. O. B. Faribault. Exp. or frt.

CRATES FOR AMERICAN BASKETS

Sixteen-quart crates—100, \$18.00; less quantities, 20c each.

Twenty-four pint crates—100, \$16.00; less quantities, 18c each. F. O. B. Faribault.

Weight: 100 quart baskets—13 lbs. 500 packed in one crate—65 lbs. 125 Folding quart boxes, with one crate—15 lbs.

Special boxes for Everbearing Strawberries—12 Old Style Pint Berry Boxes packed in a 12-pint crate.

Complete with cover, 23c each; 25 at 21c; 100 at 20c each, F. O. B. Faribault.

Cutworms? Veneer Plant Guards

Protects plants from damage by cutworms—acts as fertilizer.

May be readily placed around the plants just after planting. The wood bands will not choke or hinder growth or development of the plants. After 8 to 10 weeks the bands are absorbed by the soil and act as a fertilizer, promoting healthy plant growth. Set bands about two inches in the soil. Shipments: Freight or Express.

Price: 3x8-in. Bands (packed flat), 100 for 50c, prepaid. Not prepaid, 500 for \$1.25, 1,000 for \$2.00. 4x10-in. Bands, 100 for 75c, prepaid. Not prepaid, 500 for \$1.60, 1,000 for \$3.00. Weight, 20 lbs. per 500. For those who prefer quart size Basswood berry box bands, especially suitable for melon, cucumber and tomato plants, we offer them packed flat at 100 for 65c prepaid; 500 for \$2.00, 1,000 for \$3.75 not prepaid.



IDEAL
HAND
WEEDER
HARDEST
TOOL
ON EARTH.



Ideal Weeder

Indispensable for all garden work. Just the thing for close work around delicate plants. Most practical weeder on the market. Used by the best gardeners everywhere.

Price: 25c each, 3 for 65c, postpaid.

Hole-In-One Planting Tool

Just the thing for setting out plants—makes a hole-in-one operation. Simply cut the tool into the soil and in withdrawing the tool, with a twisting motion, out comes a plug of soil—leaving a perfectly flat bottomed hole. No ragged edges, but a firm base for your plants.

This tool is made of high grade steel rigidly constructed—finished in bright red. Price: 55c, prepaid.

The same tool with long handle, designed for hard work and with adjustable foot rest for controlling planting depth, \$2.90, f.o.b. Faribault.



Hole-in-One
Planter.



WAYZATA—
King of
the
Everbearers

Fresh STRAWBERRIES from your own garden

BIG AND LUSCIOUS—OUR PLANTS ARE YOUNG AND HEALTHY WITH A VIGOROUS ROOT SYSTEM

8,000 plants for an acre. Set in rows 4 ft. apart—plants 1½ ft. apart in the rows.

FREE—1 Packet Strawberry Seed With Your Order for Strawberry Plants

If your strawberry order is received before March 15th, and totals to \$2.00 or more, we will include a 25c packet of Alpine Red Strawberry Seed FREE—if requested. Berries first season from seed. See description below.

DORSETT Heavy Yielding

June Bearing

An outstanding June bearing variety. Has a record of very high yield—over 6,000 quarts per acre. A vigorous grower—healthy and upstanding. Berries larger than Premier—color light red and a self-pollinating variety. Dorsett has withstood frost damage exceptionally well, and is of great value for the North. Price: 50 plants for 75c, 100 for \$1.25, prepaid. Not prepaid, 500 for \$4.00, 1,000 plants for \$7.50.

FAIRFAX

Large, Firm and Delicious

June Bearing

Introduced by the Department of Agriculture and a wonderful plant maker. Thrives in all kinds of soil, and withstands frost and adverse weather conditions remarkably well. Fairfax bears early fruit of good size and of rich carmine-red color. Its long picking season is especially desirable. For home or market this berry will always make good. Price: 50 for 75c, 100 for \$1.25, prepaid. Not prepaid, 500 for \$4.00, 1,000 for \$7.50.

SENATOR DUNLAP

The Famous Old Reliable

June Bearing

Beautiful, glossy, dark red color all through, the flavor is delicious, mild and sweet. Wonderful for canning and preserves. The berries are medium to large in size, and medium firm—excellent for home use and local markets. Plants are healthy, fast growers and make runners freely. A dependable midseason sort. Price: 50 for 60c, 100 for 85c, prepaid. Not prepaid, 500 for \$2.75, 1,000 for \$5.00.

SCARLET GEM

A New Everbearer

Bears 90 days after planting. Berries are smooth, bright red and ripen uniformly, with no green tips. Firm, fine-flavored, sweet and very productive. A much improved offspring of the old Progressive Everbearing variety. Price: 50 plants \$1.10, 100 for \$1.90, prepaid. Not prepaid: 500 plants \$5.50, 1,000 plants \$10.00. (Weight 500 plants, 20 lbs.)

SPECIAL

Berry Patch Collection

An assortment of June and Everbearing Strawberry Plants. Will give you berries from your own garden from early June until snow flies. 150 plants, our selection of varieties—75 June Bearers and 75 Everbearers, all self-pollinating, for \$1.50, ppd. Double above collection, 300 plants, for \$2.75, ppd.

BEAVER

Earliest of All

June Bearing

A richly colored berry, firm and red clear through, especially recommended for canning as it retains its color in the can. Extra early, a heavy yielder and an excellent shipper. Plants thrive best on sandy soil. Price: 50 for 60c, 100 for \$1.00, prepaid.—Not prepaid, 500 for \$3.20, 1,000 for \$6.00.

PREMIER

Early, of Fine Quality

June Bearing

An early June bearing variety—always giving satisfaction and ranking first in popularity among leading horticulturists. Fruit is of large size, bright red. Quality and fruit flavor exceptionally fine. Will withstand drought and is one of our best shippers. Price: 50 for 75c, 100 for \$1.25, prepaid.—Not prepaid, 500 for \$4.00, 1,000 for \$7.50.

Wayzata

a Money Maker

284 cases (of 24 pints) were marketed from an acre of Wayzatas. They brought an average price of \$3.20 per case, or \$908.80 cash.



NEW ALPINE STRAWBERRIES

Grow Them from Seed

GOLDEN CREAM OR ALPINE RED.

Flowers are produced within eight weeks after sowing, and medium size berries will appear in great quantities throughout the season. Flavor and aroma are exceptionally fine. No runners develop. They may also be grown indoors in pots. Two distinct varieties offered. Golden Cream, (only yellow Strawberry in existence), and Alpine Red. Price: Packet 25c, two packets, one of each, for 40c, ppd.

SPECIAL—Potted Alpine Plants

6 for 65c 12 for \$1.10 ppd.

AMERICAN BERRY BASKETS

(See page 26)

Quart Size Baskets: 100 for \$1.00, 500 for \$3.95, 1,000 for \$6.95.

Pint Size Baskets: 100 for 90c, 500 for \$3.75, 1,000 for \$6.75.

All prices f. o. b. Faribault—Express or Freight Shipments Except for Small Lots.

Weight—100-qt. baskets, 13 lbs. Crate of 500 baskets, 65 lbs.

For crates, see page 26.

**Increase your
INCOME ... BY
GROWING
"WAYZATA"**

The World's Best Everbearer

LARGE GLOSSY RED BERRIES UNTIL
SNOW FLIES—FRUIT FIRST SEASON

Immense, glossy berries, red clear to the heart, honey-sweet, firm and well-shaped. A splendid shipper. The hulls are small, making it easy to prepare for table use.

EACH PLANT IS LOADED WITH RIPE
BERRIES, GREEN BERRIES,
BLOSSOMS AND BUDS

Plants will bear fruit in 60 to 90 days after setting. Hardy and frost resistant, with dark green, leathery leaves, rarely attacked by insects or disease. Wayzata is as drought resistant as Senator Dunlap. Plants have few runners, but produce instead numerous crowns from a single root, each crown loaded with blossom stems. 20 fruit stems have been counted on a single plant, with many more coming out.

NEW LOW PRICES FOR 1939

We have never had enough plants to supply the demand, so place your order early.

PRICE: 25 plants \$1.00, 50 plants \$1.75, 100 plants \$3.25, prepaid. Not prepaid, 500 plants \$11.00, 1,000 plants \$20.00. (Weight 500 plants, 20 lbs.)

SPECIAL: Potted Wayzata plants, with roots undisturbed for fast growth and development: 12 plants \$1.00, 50 plants \$3.50, 100 plants \$6.00. Prepaid to third zone (300 miles).

It Pays To Grow Wayzatas

F. S. & N. Co.

"You may be interested to know what returns I have had from the Wayzata Strawberry Plants I set the latter part of April, 1938.

"I picked from July 27 to November 4th—1,770 quarts of excellent strawberries which I sold at an average price of eighteen cents per quart.

"For quality, flavor and fall income, there is no berry equal to the Wayzata."

C. H. Smith, "Hillcrest Gardens,"
Faribault, Minn.

Twin City Dealers have been unable to supply the demand for Wayzata Berries.

MINNESOTA GROWN *Nursery Stock*

FREE GIFTS with Early Nursery Stock Orders

at regular Prices and Selected from Pages 29 to 39

Take your pick—if your NURSERY order reaches us by April 15th, you may select from the Gift List below, as follows:

On Nursery Orders of \$3.00 to \$5.00—Choose any one Gift.

On Nursery Orders of \$5.00 to \$10.00—Choose any two Gifts.

On Nursery Orders of \$10.00 Up—Choose any three Gifts.

No Gifts on Nursery Collections, Special Nursery Bargains, Strawberry, Vegetable or House Plant Orders.

FREE GIFTS YOUR CHOICE

- Gift A—1 Apple, N. W. Greening, 2-3 ft.
- Gift B—10 Raspberries, Red Chief, Standard.
- Gift C—1 Elderberry, Golden Leaf, 18-24 in.
- Gift D—3 Grapes, Fredonia.
- Gift E—3 Currants, Red Lake.
- Gift F—2 Black Walnut Trees, 2-3 ft.
- Gift G—2 Niobe Weeping Willow, 2-3 ft.

No changes made. No gifts sent unless requested on order.

WE HELP YOU PLAN

If uncertain what to plant, let us help you plan. Tell how much you feel like investing and you will be surprised at the wonderful collection of Trees and Shrubs just a few dollars will buy, and the great improvement it will make.

LANDSCAPE PLANS

We make no charge for suggestions what to plant, however, if a detailed plan is wanted, drawn to scale by our expert landscape draftsman, send us a remittance of \$2.00 to cover a complete plan with full instructions. The \$2.00 we request is to confine our efforts to those who are really interested and this amount will be applied on any purchase of nursery stock amounting to \$15.00 or over.

Send for a landscape chart on which to make a rough drawing of your place and present plantings, buildings, etc. It will be sent for 2c to cover postage. No planting plan can be made after March 15th by our Landscape Department.

SEND PART REMITTANCE ONLY

Make your selections now, so the best specimens may be reserved for your order. Don't wait until the planting season is at hand. If you prefer, send one-third of the amount due with the order—balance can be paid at shipping time.

Note: Owing to the great expense of handling and packing nursery items, we cannot accept orders for Trees, Shrubs or Plants totalling less than \$1.00 unless 15c extra is remitted to cover packing cost.

SHIPPING SEASON

As a rule we ship from about March 15th, throughout April and May.

All items are securely packed and guaranteed to reach destination in good growing condition. Instructions for planting with every order.



SAVE YOUR TREES!

SULPHONOL RABBIT REPELLENT

Protects trees from rabbits and mice. Inexpensive to use. Keeps tree borers away and prevents sun scald. Mix with water and paint the trees two feet above snow line. "Sulphonol" is non-poisonous, and will remain effective throughout the winter. Cannot be applied with sprayer. 1 lb. treats 20 trees. Price: 1 lb. 45c, prepaid.—Not prepaid, 35c per lb.

COPPER RODENT REPELLENT

Protects fruit trees and shrubbery from rabbits and mice. Costs less than 1c per tree. Rapidly applied by painting or with sprayer. Rabbits will not girdle a tree which is coated with this material.

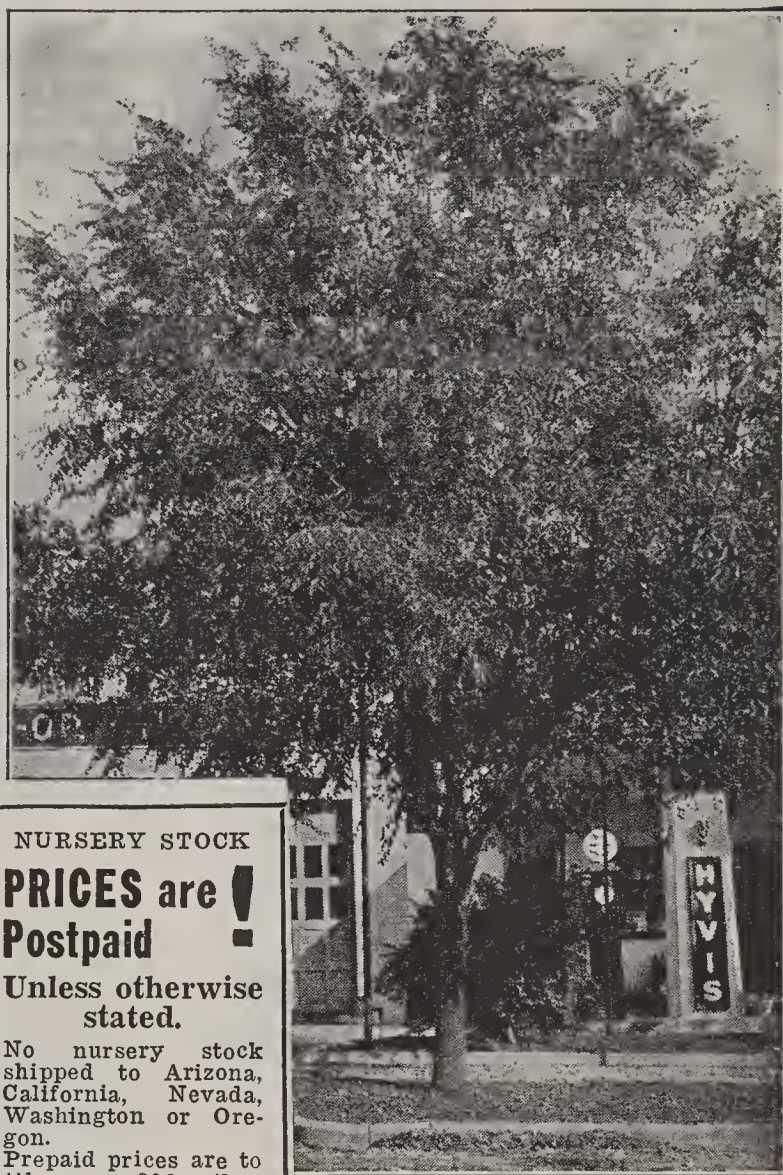
Copper Rodent Repellent is non-poisonous—offers all winter protection. Price: qt. 85c, postage 15c extra, 1 gal. \$2.75 f. o. b. Faribault.

WHITE ELM TREE PROTECTOR

White Elm Veneer Bands are distasteful to rabbits and rodents. They are easily tied around small trees and offer inexpensive tree insurance. They are shipped flat. Size, 10x20 inches. Price: 50 for 85c, 100 for \$1.50, 1,000 for \$12.00 f. o. b. Faribault.

DAYTON TREE SAVER

A scientifically prepared plastic compound ready for instant use in repairing damage, healing a wound and keeping out disease. It contains 18 ingredients beneficial to trees, medical oils to heal wounds and non-injurious acids to destroy fungi, insects and worms. It does not shrink but is light in weight, elastic and waterproof. Price: pint 50c, quart 90c, gallon \$2.50, not prepaid.



NURSERY STOCK

**PRICES are !
Postpaid**

Unless otherwise stated.

No nursery stock shipped to Arizona, California, Nevada, Washington or Oregon.

Prepaid prices are to 4th zone—600 miles.

A 6-Year-Old Chinese Elm.

OUR FAIR PLAY GUARANTEE

All of our Nursery Stock carries the Minnesota Inspection Certificate and is guaranteed true to name and in good growing condition. If for any reason you do not find everything just as represented, notify us at once and we will order shipment returned, refund your money, or replace the items without charge.

Any tree or plant that dies the first growing season we will replace at half the catalog price, the following spring, if loss is reported by October 15th following date of purchase.

We cannot be responsible for losses other than the above.

\$1.⁰⁰ Nursery Bargains

8 Red Leaf Barberry	1 yr.	\$1.00, postpaid
20 Buckthorn	12-18 in.	1.00, postpaid
6 Hardy Cherries (our selection)....	1-2 ft.	1.00, postpaid
6 Jumbo Plums, mailing size (our selection)	1-2 ft.	1.00, postpaid
4 Pink Lilac (summer blooming).....		1.00, postpaid
4 Highbush Cranberry	2 yr.	1.00, postpaid
4 Mountain Ash	1-2 ft.	1.00, postpaid
10 Norway Poplar (baby shades)....	2-3 ft.	1.00, postpaid
8 Lombardy Poplar, screen planting.	2-3 ft.	1.00, postpaid
60 Chinese Elm	6-12 in.	1.00, postpaid
7 Fredonia Grape	1 yr.	1.00, postpaid
15 Colorado Blue Spruce Seedlings.....		1.00, postpaid
10 Bridal Wreath Spirea.....	1 yr.	1.00, postpaid
8 Black Hills Pine Trees.....	6-12 in.	1.00, postpaid
10 Black Walnut Seedlings.....	1-2 ft.	1.00, postpaid

NOTE: SPECIAL—6 COLLECTIONS FOR \$5.00 POSTPAID.

Grapes

A Sure Crop

They grow and thrive everywhere. Vines trained and pruned in late fall, will bear abundantly year after year.

New Red Caco

Hardy Red Grape

See First Inside Cover

A quick-growing young bearing Grape. Ripens delicious, sweet, wine-red fruit of good size early in September. Flavor rich and sugary sweet. Berries large, and the bunches are compact. Considered perfectly hardy.

Price, 1-yr. size: 3 for 55c, 5 for 75c, 10 for \$1.45, 25 for \$2.25. Two-year size: 3 for 65c, 5 for 95c, 10 for \$1.85, 25 for \$4.35, prepaid.

Fredonia

New, Hardy Black Grape

The earliest large-berried Grape for the North—three weeks earlier than Concord. Vines are vigorous—clusters of medium size, very compact. Offers great opportunities for market or home use. Price: Same as Caco.

Beta

As Hardy as the Wild Grape

Always dependable, producing heavy crops every year. Fruit of medium size, good quality, early—excellent for jelly and grape juice.

Price, 1-year size: 3 for 38c, 5 for 50c, 10 for 80c, 25 for \$1.75. Two-year size: 3 for 48c, 5 for 60c, 10 for \$1.00, 25 for \$2.35, prepaid.

SPECIAL OFFER

6 BEST HARDY GRAPES

All for
2—2-year size Caco
2—2-year size Fredonia
2—2-year size Beta **\$100**
Ppd.

Currants

RED LAKE—(Minnesota 24)

A Minnesota introduction producing big, red berries in long clusters. The bushes are strong and vigorous with healthy foliage. They bear regularly and produce heavily. Red Lake makes beautiful sparkling bright red jelly.

Price, 1-year size: 3 for 65c, 5 for \$1.00, 10 for \$1.85, 25 for \$4.50. Two-year size: 3 for \$1.45, 5 for \$2.15, 10 for \$3.85, 25 for \$8.25, prepaid.

Gooseberries

"CARRIE"—The Best Variety

A heavy yielder of good-sized fruit. Perfectly hardy and recommended by Professor Hansen as foremost in quality and productiveness. No shipments made to Connecticut, Idaho, Maine, Massachusetts, Michigan, New Hampshire, New York, Rhode Island, Vermont.

Price, Standard size: 3 for \$1.05, 5 for \$1.35, 10 for \$2.55. Heavy Grade: 3 for \$1.35, 5 for \$1.85, 10 for \$2.95.



BIG RED
LATHAM

Superb in
Quality
and Flavor.

\$500.00 from One Acre Planted to

Certified Red Raspberries!

Average yield per acre - 200-300 crates
Average price per crate - \$2.50-\$3.00

New Mammoth Boysenberry

See First Inside Cover

The largest bramble berry. Berries are 1½ to 2 inches long, and of purple color. Flavor is superb and rich. A pleasing blend of Raspberry and Dewberry—fine for eating fresh or canned. A real money maker for market. Requires some winter protection.

Price: 6 plants for 70c, 12 for \$1.30, 25 for \$2.25, prepaid. See illustration first inside cover page.

Jumbo Blueberries

See Illustration First Inside Cover

Get a real thrill—grow these giant Blueberries—two to three times as large as the native ones. They make beautiful ornamental bushes with bell-shaped pinkish blossoms. Every one knows the delicious sauce and pies Blueberries make. Special planting directions with each order and as Blueberries require an acid soil, we furnish free acid humus with each order of plants. Strong plants furnished—no replacements made.

Price: 2 plants, 2-year size, \$1.30, 5 plants for \$2.95, 10 plants for \$5.50, prepaid. Acid humus free.

Alfred Blackberries

Stands 35 Degrees Below Zero

A healthy vigorous grower, producing a good crop of berries the second season. Berries are twice as large as ordinary Blackberries—many of them 1½ inches long. The ideal table berry—of fine flavor and practically coreless, with but few small seeds.

Price, Standard size: 12 for 70c, 25 for 98c, 50 for \$1.65, 100 for \$2.95. Heavy Select: 12 for \$1.20, 25 for \$1.95, 50 for \$3.35, 100 for \$5.95, prepaid. Special quotations on larger quantities.

... and Berries

Raspberries

Juicy and Delicious

Minnesota Grown Plants
Certified and State Inspected

3,000 plants required to set an acre. Rows 5 feet apart—plants 2½ feet apart in row.

Indian Summer

Everbearing Red Raspberry

See Color Page 38

A new Two-crop Red Raspberry developed by the New York Experiment Station. Bears in summer and also in the fall, beginning in September and continuing until frost. The berries are large, somewhat conical, of medium red color and high quality. They are superior to any of the other fall bearing Red Raspberries. Plants are hardy and vigorous growers. A real chance to profit from fall marketing.

Price: 12 plants 95c, 25 for \$1.75, 50 for \$3.10, 100 for \$5.95, prepaid.

Big Red Latham

Berries an Inch in Diameter!

See Color Page 38

The nationally known King of Red Raspberries. Originated in Minnesota, and grown extensively everywhere. Perfectly hardy, a strong vigorous grower, out-yielding all other Red Varieties, and the most profitable market variety.

Price, Standard Grade: 25 for 95c, 50 for \$1.65, 100 for \$2.95, prepaid. Not prepaid, 250 for \$6.65. Heavy Select Grade: 25 for \$1.85, 50 for \$2.85, 100 for \$4.65, prepaid. Not prepaid: 250 for \$9.95. Ask for special quotations on medium or commercial grade.

Early Red Chief

Ten Days Earlier Than Latham

The best early variety—most profitable for early marketing and for continuous fruit production we recommend Chief and Latham. Excellent quality and good yielder.

Price, Standard Grade: 25 for 90c, 50 for \$1.55, 100 for \$2.75, prepaid.—Not prepaid, 250 for \$6.35. Heavy Select Grade: 25 for \$1.75, 50 for \$2.25, 100 for \$4.15, prepaid.—Not prepaid, 250 for \$9.55.

Cumberland

Black Cap Raspberry

See Color Illustration Page 38

Most profitable Black Cap berry to grow—produces big crops year after year—succeeds on all kinds of soil. Berries extra large, glossy-black, and profitable to grow.

Price, 1-year size: 12 for 75c, 25 for \$1.35, 50 for \$1.95, 100 for \$3.85; 2-year size: 12 for 95c, 25 for \$1.85, 50 for \$3.45, 100 for \$5.85, prepaid.

New Sodus

Purple Cap Raspberry

A new Raspberry especially noted for fruit production. Berries are large, firm, fine quality and have a wine-red, purple color. You will prize this variety highly.

Price, 1-year size: 12 for \$1.00, 25 for \$1.85, 50 for \$3.10, 100 for \$5.85, prepaid.

New Improved APPLES

HARDY NORTHERN GROWN

ANOKA—The Surprise Apple. A real quality summer apple, early to ripen, of fine color and excellent flavor. This sturdy little tree bears the second year, and each year thereafter, resisting blight and producing a consistent crop of fruit. It is well suited for the Northwest. Prices: Same as Haralson.

NEW BEACON—(Minnesota No. 423.) Early fall red eating apple. Ready before Wealthy, Jonathan or McIntosh. Beacon ripens but a few days later than Duchess and will keep a month after harvest. It is highly colored, fine quality and solid red. Hardy and very productive. Prices: 2-3 ft. trees 65c each, 2 for \$1.20, 10 for \$5.80; 3-4 ft. trees, 75c each, 2 for \$1.40, 10 for \$6.80, prepaid.

CORTLAND—(Improved McIntosh.) This new apple is smashing its way into front page popularity. Its bright red color and top-notch quality make it a favorite of the late fall apples. Flavor is delicious. They are easy to grow and hang long on the trees. Prices: 2-3 ft. trees 40c each, 4 for \$1.40, 10 for \$3.35; 3-4 ft., 48c each, 4 for \$1.80, 10 for \$4.20, prepaid. Not prepaid, 4-6 ft. 65c each, 4 for \$2.50, 10 for \$5.95.

MINNESOTA NO. 790—A splendid new large red winter apple from the Minnesota Fruit Breeding Farm. Adapted especially for localities south of St. Paul. Considered superior to Roman Beauty which is the most desirable baking apple, though not hardy in the North. Minnesota No. 790 is highly prized for size, color, flavor and hangs well on the trees. Prices: Same as Cortland.

McINTOSH RED—This variety has come into rapid favor as one of the most important fall and early winter varieties. Large orchards are being set out with McIntosh Red predominating. An exceptionally fine eating apple, of good size, bright red color, and a delicious aromatic flavor. Season, January. Prices: Same as Haralson.

NORTHWESTERN GREENING—The fruit is very large, smooth, handsome, turning yellow as it matures. This is one of the best baking and cooking apples for late winter and spring. Season, December to March. Prices: Same as Haralson.

WEALTHY—The leading apple for its season throughout the Northwest. The fruit is large, a beautiful shade of deep red, and the flavor excellent. It is one of the best eating apples that can be grown in the Northwest. A good keeper and heavy yielder. Prices: Same as Haralson.

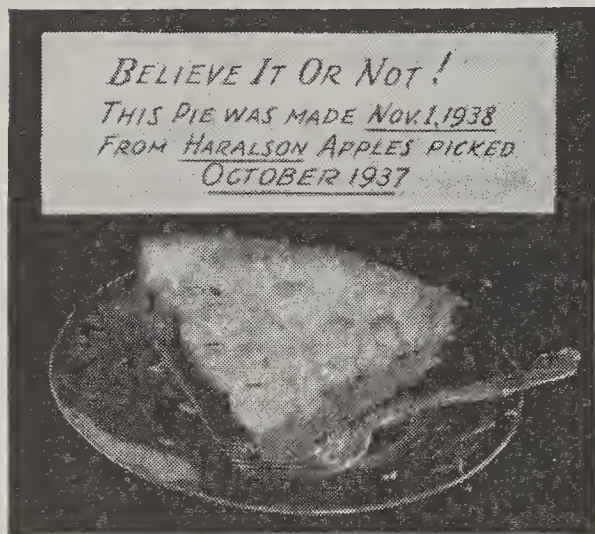


Big Red HARALSON
See Color
Illustration
Pages 38 and 39.

DOLGO, THE LAWN TREE CRAB—Has rare beauty as an ornamental lawn tree, and is perfectly hardy. Bears an abundance of fruit and no long wait. The apple itself is a very rich red, and jells perfectly, even when dead ripe. A fine canning crab. Prices: Same as Cortland.

WHITNEY CRAB—A favorite in the home for canning and preserving. Fruit is of good size—very highly colored—free bearer, producing immense crops. Prices: Same as Cortland.

YELLOW TRANSPARENT APPLE—No orchard should be without these delicious golden yellow apples. Good to eat long before other sorts are ready. Fruit large, yellow with crisp meat and delicious flavor. Prices: Same as Haralson.



DELICIOUS—Winter apple. Has established its claim to first rank, both for commercial and home orchards. Fruit large, flesh fine grained, crisp, juicy and really delicious. Tree hardy in favorable locations, vigorous grower, producing enormous annual yields. Prices: Same as Haralson.

DOUBLE RED DUCHESS—A new summer apple. Possesses all the good qualities of the Old Duchess, including early ripening, hardiness and heavy regular bearing. In addition, it has HIGH RED COLOR. Prices: Same as Haralson.

BIG RED HARALSON APPLE—Haralson produces a good size, deep red, winter apple of excellent flavor. An outstanding feature is its keeping quality—keeping in perfect condition until late spring. The Haralson is free from blight and, best of all, has the tendency to bear early. Prices: 2-3 ft. trees, 30c each, 4 for \$1.00, 10 for \$2.35; 3-4 ft., 38c each, 4 for \$1.40, 10 for \$3.20, prepaid. Not prepaid, 4-6 ft., 55c each, 4 for \$2.10, 10 for \$4.95. (Freight or express.)

Distance Apart to Plant

Apples and Pears.....20 to 24 feet each way
Cherries 8 to 12 feet each way
Plums16 to 20 feet each way
Currants and Gooseberries.....4 by 6 feet
Raspberries3 by 6 feet
Blackberries4 by 7 feet

JUMBO PLUMS

KAGA—An outstanding canning plum originated by Prof. Hansen of the S. D. Agricultural College. Has a distinct, delicious flavor, and is sometimes called the apricot plum. For canning or jam, it is unsurpassed, though smaller in size than Underwood and Superior. It is also indispensable as a pollinator. Prices: Same as Superior.

SUPERIOR—(Minnesota No. 194.) A wonderful new hardy plum originated at the State Fruit Breeding Farm by crossing big California Burbank varieties. It is as large as California plums, surpassing them in quality and hardiness. It has a firm flesh, a beautiful red color and peels like a peach. Prices: 2-3 ft. trees, 30c each, 4 for \$1.00, 10 for \$2.35; 3-4 ft., 37c each, 4 for \$1.35, 10 for \$3.10, prepaid. 4-6 ft., 55c each, 4 for \$2.10, 10 for \$4.95, not prepaid.

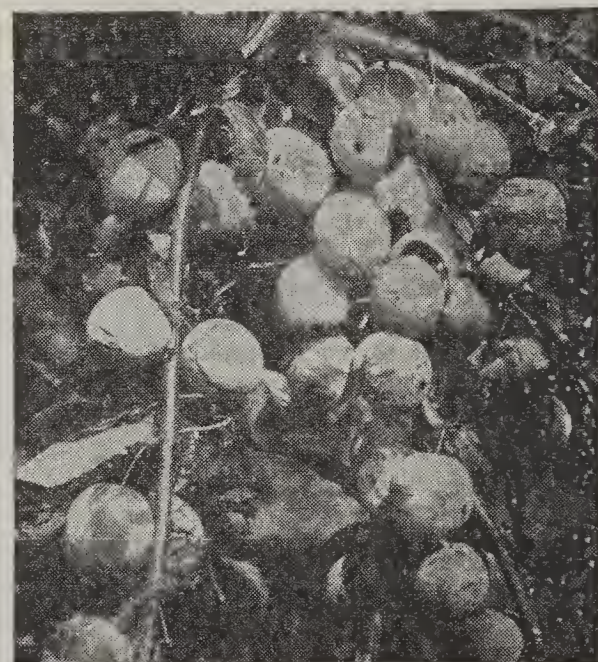
SURPRISE—A sweet, juicy plum, excellent to eat. Surprise is also an efficient pollinator for Jumbo plums, or for any common plums. Prices: 2-3 ft. trees, 40c each, 4 for \$1.40, 10 for \$3.35; 3-4 ft., 47c each, 4 for \$1.75, 10 for \$4.10, prepaid. 4-6 ft., 65c each, 4 for \$2.50, 10 for \$5.95, not prepaid. (Freight or express.)

UNDERWOOD—The best known of the many plums originated at the Minnesota Fruit Breeding Farm. Bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Underwood and Surprise should be planted close together to insure setting of fruit. Prices: Same as Superior.

If Your Plum Trees Are Not Bearing

—add a pollinator to your planting. Kaga and Surprise are the best pollinators, and are in addition very excellent plums in themselves. Use one pollinator to every eight varieties.

NEW EMBER—(Minnesota No. 83.) A new origination of the Minnesota Fruit Breeding Farm. Minnesota No. 83 is a late plum of good size and has exceptionally fine dessert and canning qualities. It is yellow with attractive red blush. It hangs to the trees to full maturity, and will keep in good condition for two or three weeks. Prices: 2-3 ft. trees, 50c each, 4 for \$1.65, 10 for \$3.95; 3-4 ft., 55c each, 4 for \$1.95, 10 for \$4.65, prepaid. 4-6 ft., 75c each, 4 for \$2.75, 10 for \$6.55, not prepaid.



SUPERIOR—The Most Perfect Plum,
Deep Red, Juicy, Fine Flavored

CHERRIES

Hardy Minnesota Grown

(See illustration on page 38)

MORDENA CHERRY

Originated at Morden Experiment Station, Manitoba, Canada. After two of the severest winters on record in the Winnipeg district, Mordena trees were loaded with fruit to the top-most branches, eight feet in the air. It is a few days earlier to ripen and very much hardier than Compass. Mordena is very good for eating, or for all cooking purposes. Stock very limited. Price, 2-3 ft. trees: 40c each, 4 for \$1.40; 3-4 ft.: 47c each, 4 for \$1.75, prepaid.

SAPA CHERRY

Its beautiful wine-red color, excellent quality and delicious flavor have made Sapa the most popular cherry for northwest fruit farms. It is a large sized hybrid cherry with small pit. Thin skinned, purple-red outside, with rich dark wine-colored flesh.

Sapa should be grown in bush form and pruned severely to encourage growth of new shoots that will fruit heavily and regularly. The Compass Pollinator Cherry listed below should be included in every Sapa planting. See prices at right.

OKA CHERRY

A fine hardy hybrid cherry, with skin and flesh a rich purple-red color. The meat is firm, juicy and of superb flavor. The trees are immensely productive and fruit regularly. Should be grown in bush form as suggested for Sapa. For best results plant with Compass Pollinator Cherry. 2-3 ft. and 3-4 ft. trees only. See prices at right.

COMPASS CHERRY

Indispensable as a Pollinator

Hardy throughout the Northwest and Canada. Fruit is black, of medium size and good quality. Makes delicious pies, preserves, etc. See prices at right.

HANSEN'S SUPER-HARDY BUSH CHERRY

See Color Illustration Inside Front Cover.

This hardy bush cherry produces an abundance of deep red fruit exceptionally early. It makes the finest jam and is of excellent flavor. It will stand severest drought and can also be used for hedge or for foundation planting. The foliage is silvery-green, turning to red and gold in fall.

Price, 2-yr. size: 30c each, 3 for 75c, 6 for \$1.30, 12 for \$2.50, prepaid.



Parker Pears in Our Nursery.

PRICES

Of Cherries and Pears

CHERRIES (Except Mordena and Hansen's)

Size	Each	4	10
2-3 ft.	30c	\$1.00	\$2.35 Prepaid
3-4 ft.	37c	1.35	3.10 Prepaid
4-6 ft.	55c	2.10	4.95 Not prepaid

PEARS (Except Minn. 103 and Asiatic)

2-3 ft.	30c	\$1.00	\$2.35 Prepaid
3-4 ft.	38c	1.40	3.20 Prepaid
4-6 ft.	55c	2.10	4.95 Not Prepaid

On orders under \$1.00, add 15c for packing

NEW NORTHERN APRICOT

For the first time we offer a new hardy apricot—introduced by Prof. Hansen of S. D. State College. Matures in the Northwest—is drought-resistant and produces good size yellow fruit of excellent flavor. It has stood 40° below zero. Makes excellent jam and is fine for canning.

Price, 2-3 ft. trees: 75c each, 2 for \$1.40; 3-4 ft.: \$1.00 each, 2 for \$1.90, prepaid.

PEARS

Vigorous and Cold Resistant

(See illustration on page 39)

NEW MINN. NO. 103 PEAR

This new pear was originated at the Minnesota State Fruit Breeding Farm. It is considerably harder than any of the other varieties grown in Minnesota. While not as large as Parker, it is of exceptionally HIGH QUALITY and PERFECTLY HARDY. This new variety will be given a name this year. Offered for the first time—supply limited. Price, 3-4 ft. trees: 75c each, prepaid; 4-6 ft.: \$1.00 each, not prepaid.

PARKER PEAR (Minnesota No. 1)

Introduced by the Minnesota State Fruit Farm, this splendid pear has been well tested in different parts of the state, and is now recommended for general planting in the southern half of Minnesota and similar latitudes. The fruit is medium to large, with smooth medium thick skin; color, yellow-bronze with faint blush. Flesh is fine-grained, tender, sweet, and juicy. Fruit ripens in early September. See prices at left.

PATTEN PEAR

Originated by Chas. Patten a number of years ago, this pear has been thoroughly tested and is now recommended for planting in southern Minnesota and suggested for trial in favorable locations farther north. The fruit is of good size, resembles Bartlett in form and color; very tender, juicy and of good quality. Season September. See prices at left.

TAIT PEAR

Hardest of all pears, the Tait was originated in Ontario, Canada, and has endured temperatures of 40 degrees below zero, according to the originator, Mr. Tait. It is resistant to blight; the fruit is yellow, of medium size and good quality. The tree is a fine upright grower and very productive. See prices at left.

NEW HARDY ASIATIC PEAR

See Color Illustration Inside Front Cover.

A new hardy pear with which propagators are experimenting. Grow it yourself and a surprise may await you, for it will be a variety never grown before.

Price, 18-24 in.: 30c each, 3 for 75c, 6 for \$1.25, prepaid.

**On Orders under \$1.00
Add 15c for Packing**

HARDY HEDGE PLANTS

For a fence that is friendly, ornamental and permanent.

CHINESE HEDGEWOOD

Extremely hardy, drought resistant and a quick, compact grower. Covered with small, bright green foliage from early spring until late fall. Forms a dense screen. Can be grown to any height desired.

Price, 12-18 in.: 10 for 50c, 50 for \$1.85, 100 for \$3.35; 18-24 in.: 10 for 75c, 50 for \$2.45, 100 for \$4.45, prepaid. Not prepaid, 2-3 ft.: 10 for 85c, 50 for \$3.35, 100 for \$5.35.

SPIREA VAN HOUTTEI

Bridal Wreath. Most popular flowering hedge. The graceful, drooping sprays are ideal for growing untrimmed.

Price, 12-18 in.: 10 for \$1.15, 50 for \$3.95, 100 for \$7.35; 18-24 in.: 10 for \$1.65, 50 for \$4.85, 100 for \$8.35, prepaid.

JAPANESE HEDGE CHERRY

Has fine clean foliage and miniature blooms of a blush rose color, followed by small, shiny wine-red cherry fruits. Makes a compact hedge, combining beauty and hardness.

Price, 12-18 in.: 10 for 85c, 50 for \$2.65, 100 for \$4.85, prepaid.

BUCKTHORN

A very hardy and dense tight ornamental hedge. Properly sheared will give a very formal effect.

Price, 12-18 in.: 10 for 60c, 50 for \$2.25, 100 for \$3.75; 18-24 in.: 10 for 95c, 50 for \$4.35, 100 for \$7.85, prepaid. Not prepaid, 2-3 ft.: 10 for \$1.35, 50 for \$5.35, 100 for \$8.85.

CARAGANA

Numerous twiggy branches, covered with bright green fern-like leaves. A supreme hedge plant for severe climates, poor soil and dry locations. Can be pruned to any desired height.

Price, 12-18 in.: 10 for 45c, 50 for \$1.65, 100 for \$2.95; 18-24 in.: 10 for 65c, 50 for \$2.35, 100 for \$4.45, prepaid. Not prepaid, 2-3 ft.: 10 for 85c, 50 for \$2.95, 100 for \$4.65.

RUSSIAN OLIVE

Foliage of beautiful silver gray. Makes a beautiful tall screen hedge. Extremely hardy and drought-resistant.

Price, 12-18 in.: 10 for 75c, 50 for \$2.45, 100 for \$4.65; 18-24 in.: 10 for 95c, 50 for \$3.85, 100 for \$5.85, prepaid. Not prepaid, 2-3 ft.: 10 for \$1.15, 50 for \$4.35, 100 for \$7.15.



Japanese Barberry—the Ideal Hedge.

JAPANESE BARBERRY

Thunbergi. Makes a neat, low boundary. Can be trimmed or grown naturally. Foliage turns to brilliant crimson in fall; branches are covered with scarlet berries.

Price, 12-18 in.: 10 for 65c, 50 for \$2.35, 100 for \$3.85; 18-24 in.: 10 for 85c, 50 for \$2.95, 100 for \$5.65, prepaid.

Hedge and Pruning Shears on Page 74

HARDY SHADE AND ORNAMENTAL TREES

All shade trees f. o. b. Faribault unless otherwise quoted.

GREEN ASH—A quick-growing hardy tree—very drought-resistant and disease-free. Price: 5-6 ft. trees, 75c each, 2 for \$1.40, 4 for \$2.65.

MOUNTAIN ASH, EUROPEAN—Very showy lawn tree with its large clusters of bright orange berries, in autumn. Beautiful dark green foliage. Price: 4-5 ft. trees, 95c each, 2 for \$1.80; 5-6 ft., \$1.45 each, 2 for \$2.75.

CUT LEAF WEEPING BIRCH—Has a beautiful drooping foliage. A fast grower—very showy with its white bark. Price: 5-6 ft. trees, \$2.25 each, 2 for \$4.25; 6-8 ft., \$2.95 each, 2 for \$5.65.

WHITE BIRCH—A graceful tree with white bark—very desirable as a lawn tree. Price: 5-6 ft. trees, \$1.50 each, 2 for \$2.85.

HONEY LOCUST (THORNLESS)—Very delicate foliage—very fragrant flowers followed by bean-like pod. Trees sturdy and drought resistant. Price: 4-5 ft. trees, 75c each, 2 for \$1.45.

HARD OR SUGAR MAPLE—Straight, spreading, symmetrical in form. A fast grower—attaining immense size—frequently 100 ft. tall. Beautiful foliage, especially in autumn when leaves turn to clear yellow and scarlet. Price: 4-5 ft. trees, 60c each, 2 for \$1.00; 5-6 ft., 75c each, 2 for \$1.45.

SILVER OR SOFT MAPLE—Leaves appear in early spring, are bright green in color with lower side silvery. Price: 5-6 ft. trees, 95c each, 2 for \$1.80.

NORWAY MAPLE—Grows to large size, with deep green foliage which turns to pale yellow in autumn. Leaves red, turning to green, in early spring. Price: 6-7 ft. trees, \$1.25 each, 2 for \$2.35; 7-8 ft., \$1.45 each, 2 for \$2.65.

RED SCHWEDLER MAPLE—Has a gleaming purple-red leaves, turning to purplish-green in mid-summer, and golden yellow in fall. Price: 5-6 ft. trees, \$1.45 each, 2 for \$2.65, 6-7 ft. trees, \$1.85 each, 2 for \$3.45.

BOLLEANA POPLAR—Tall, upright like Lombardy. Very hardy, silvery bark and silver lined maple-shaped leaves. Price: 5-6 ft. trees, 75c each, 2 for \$1.45; 6-8 ft., \$1.25 each, 2 for \$2.25.

LOMBARDY POPLAR—Tall growing tree, used extensively for landscape effect and screen planting—a rapid grower. Price: 5-6 ft. trees, 35c each, 4 for \$1.15, 12 for \$2.85; Extra Heavy, 75c each, 4 for \$2.65, 12 for \$6.85; 6-8 ft. trees, 45c each, 4 for \$1.65, 12 for \$4.65; Extra Heavy, \$1.25 each, 4 for \$4.35, 12 for \$11.85.

NORWAY POPLAR—Also called Carolina poplar, a hardy quick-growing tree with bright green, dense foliage. Grows anywhere. Price: 4-5 ft. trees, 4 for 60c, 12 for \$1.45; 5-6 ft., 4 for 75c, 12 for \$1.85.

BLACK WALNUT—Well shaped, dependable shade trees, combining beauty with usefulness. The nuts are highly prized. Price: 2-3 ft. trees, 25c each, 4 for 80c, 12 for \$1.95; 3-4 ft., 35c each, 4 for \$1.25, 12 for \$3.65.

NIOBE WEEPING WILLOW—Graceful drooping form—lovely golden bark, and silver lined foliage. Very hardy. Price: 3-4 ft. trees, 25c each, 2 for 45c; 4-5 ft., 35c each, 2 for 60c; 5-6 ft., 75c each, 2 for \$1.40.



Chinese Elm windbreak three years after planting

Windbreak Trees

We offer the hardiest recommended varieties for planting in the Northwest. Advise planting two to five, or even six rows for real effectiveness. Plant 6 feet apart in rows 8 feet apart. Cultivate first two years if possible. Ask for special prices on larger lots.

GREEN ASH

Prices	Size	25	50	100	200
Prepaid	6-12 in.	....	....	\$0.80	\$1.45
Prepaid	12-18 in.	....	....	1.00	1.95
Not ppd.	18-24 in.	....	\$1.00	1.65	2.85
Not ppd.	2-3 ft.	....	1.25	2.25	4.25

CARAGANA

Prepaid	12-18 in.	\$0.85	1.65	2.55	4.65
Not ppd.	18-24 in.	.95	1.75	3.10	5.85

AMERICAN ELM

Prepaid	12-18 in.	....	....	1.25	2.35
Not ppd.	18-24 in.	....	.95	1.70	3.10
Not ppd.	2-3 ft.	1.00	1.75	2.35	3.95

CHINESE ELM

Prepaid	6-12 in.	....	....	1.15	1.85
Prepaid	12-18 in.	....	....	1.35	2.55

Not ppd.

Standard	18-24 in.	.85	1.25	1.75	3.20
Heavy	18-24 in.	1.00	1.45	1.95	3.85
Standard	2-3 ft.	1.15	1.75	2.45	4.25
Heavy	2-3 ft.	1.45	2.45	3.95	6.50
Standard	3-4 ft.	1.85	2.95	5.45	8.65
Heavy	3-4 ft.	2.35	3.65	6.35	9.85
Heavy	4-5 ft.	2.95	4.75	7.65	....

RUSSIAN OLIVE

Prepaid	12-18 in.	....	1.95	3.25	5.95
Not ppd.	18-24 in.	....	2.50	4.25	7.25

NORWAY POPLAR

Not ppd.	3-4 ft.	1.75	2.65	4.65	7.85
Not ppd.	4-5 ft.	3.35	4.65	8.35	14.65

BLACK WALNUT

Prepaid	6-12 in.	1.35	2.00	3.65	6.65
Prepaid	12-18 in.	1.65	2.35	4.25	7.85
Not ppd.	18-24 in.	1.75	2.65	4.85	8.00

RUSSIAN GOLDEN WILLOW

Not ppd.	2-3 ft.	1.50	1.85	3.15	6.25
Not ppd.	3-4 ft.	1.95	2.65	4.95	9.65

SPECIAL OFFER

BABY CHINESE ELM
SHADE TREES

8 2-3 Foot Size \$1⁰⁰
Prepaid for only



A five-year-old Chinese Elm.

CHINESE ELM, SIBERIAN STRAIN

—The fastest growing shade, ornamental or windbreak tree. Very hardy—resistant to drought and extreme temperatures. Attains a height of 60 ft., and girth of 12 ft. or more. Price: Standard Grade, 4-5 ft., 25c each, 4 for 75c, 12 for \$1.95; Heavy Grade, 40c each, 4 for \$1.45, 12 for \$3.95; 5-6 ft. trees, Standard, 30c each, 4 for \$1.00, 12 for \$2.75; Heavy, 55c each, 4 for \$1.95, 12 for \$4.95; 6-8 ft. trees, Standard, 65c each, 4 for \$2.45, 12 for \$6.85; Heavy, \$1.00 each, 4 for \$3.75, 12 for \$10.65.

AMERICAN ELM—The most popular hardy native tree. Grows tall, graceful and spreading, with drooping foliage. Very hardy. Price: 5-6 ft. trees, 45c each, 4 for \$1.55, 12 for \$4.35; 6-8 ft., 75c each, 4 for \$2.75, 12 for \$7.95.

HACKBERRY—One of the hardiest native trees. Free from insect pests—well shaped. Price: 5-6 ft. trees, \$1.25 each, 2 for \$2.00.

FLOWERING CRABS

HOPA (ROSE PINK)—Produces fire-red fruit, fine for jelly. Very ornamental.

RED SILVER—Maroon red fruit and blossoms.

MANCHURIA (WHITE)—3-4 ft. trees only.

Your Choice of Any Above Flowering Crabs: 3-4 ft. trees 75c each, 2 for \$1.35; 4-5 ft. trees \$1.00 each, 2 for \$1.85, prepaid.

Special: One each of the above three Flowering Crabs, size 3-4 ft., for \$1.65, prepaid.



Red Schwedler Maple.



A well-arranged Evergreen foundation planting. The doorstep planting consists of two Pyramidal Arbor Vitae and two Mugho Pines. The end groups of two Silver Junipers, one Red Cedar and several low-growing Savin and Pfitzer Junipers.

Evergreens

For Year-Round Beauty

We offer the following suggestions to those who desire to beautify their grounds—

Evergreen plantings are supposed to be permanent so at least three feet should be allowed between plants for development. The bare wall spaces, the angle where the porch or steps extend from the house, and the corners of the house need height. These are the "character" plants, and groupings in front of these should be of lower growing or spreading types. Variations in height add much finish to the plantings. Never set tall plants in front of windows. Study outlines in picture at left.

Plants not marked B&B can be had with ball of earth for 50c each additional. All Junipers and Arbor Vitae should be ordered balled and burlapped so they can be moved without loss of vitality.

Evergreens for Specimen or Lawn Group Planting

SPRUCE, COLORADO MEDIUM BLUE (*Picea pungens*). A tree developing unusual form—a broad pyramid thickly studded with branches clear to the ground, covered with heavy lustrous foliage of varying tones—sometimes deep green, again touched with silver, while others have a decided blue tinge. These trees were all grown from seed gathered from select Blue Shiners, but do not show blue to any extent until they become 18 to 24 inches high. Well rooted, three times transplanted. Prices: 2 to 3 feet, \$2.65 each, 2 trees for \$5.25; 3 to 4 feet, B. & B., \$4.35, 2 trees for \$7.95, not prepaid.

SPRUCE, COLORADO BLUE SHINERS (*Picea pungens glauca*). The "Extra Blue" trees—trees of magnificent form, as their thick branches climb in even layers from a broad base to a tapering crown, with heavy, lustrous foliage reflecting the most glorious silver and blue tones. Well rooted, heavy specimens, three times transplanted. These Shiners are all shipped with ball of earth burlapped on roots. Price: 2 to 3 feet, B&B, \$4.45 each, 2 trees for \$8.35; 3 to 4 feet, B&B, \$6.45 each, 2 trees for \$12.35, not prepaid.

BLACK HILLS SPRUCE — Extensively used for landscape planting, also for windbreak. Grows very bushy, compact and symmetrical. Has unusually thick foliage, and is easy to grow. Choice specimen trees with a well-developed root system, twice transplanted. Price: 2 to 3 feet, \$1.95 each, 2 trees for \$3.85; 3 to 4 feet, B. & B., \$4.25 each, 2 trees for \$8.35, not prepaid.

BLACK HILLS (BULL) PINE—Outstanding in hardiness and drought resistance. This is the Shelter Belt tree that has best survived the past dry seasons in Minnesota and Dakotas. Fast-growing with long needles, deep green on the surface and bluish-white underneath. For prices see Shelter Belt Evergreen Windbreaks.



Packed in Tubes
Inconspicuous—Effective

A combination of rare chemicals releasing an odor very distasteful to dogs. Just hang tube on lower branch of tree, about 10 inches from the ground, with opening down. The slowly escaping odor will keep dogs away.

Price 25c per Tube, ppd.

Evergreens for Foundation Planting

ANDORRA JUNIPER — Low spreading branches, artistic cut foliage of bright silvery-green. It turns to mauve-pink after the first frost. Only 18 inches high—very hardy and beautiful. Price: 12-15 in. across, 65c each, 2 for \$1.25, 4 for \$2.25, not ppd.

PFITZER JUNIPER — Has spreading branches, handsome gray-green foliage—hardy everywhere and one of the most popular Junipers. Grows 3-4 ft. tall—thrives in shade or sunshine. Price: 12-15 in. across, \$1.35 each, 2 for \$2.35, not ppd.

SILVER JUNIPER—Forms a narrow compact symmetrical pyramid of light silver—so decorative, especially for entrance planting. Can be trimmed as desired and will attain a height of 12 to 15 feet at maturity if untrimmed. Price: 15 to 18 inches, \$1.60 each, 2 for \$3.00; 2 to 3 feet, B&B, \$4.25, 2 for \$7.95; 3 to 4 feet, B&B, \$4.95, 2 for \$9.65, not prepaid.

SAVIN JUNIPER—Beautiful trailing Juniper—favorite of all landscape planters. Has dark green tufted foliage, covering dense spreading branches. Extremely hardy—can be trimmed as desired. 12-15 in. across. Price: 75c each, 2 for \$1.35, not prepaid.

PYRAMIDAL ARBOR VITAE—Can be used close to the house or walk. Most effective in groups or pairs when used for ornamental planting. Grows compact and is of natural pyramidal form. Three times transplanted trees. Price: 2 to 3 feet, \$2.45 each, 2 trees for \$4.65; 3 to 4 feet, \$3.45 each, 2 for \$6.75, not prepaid.

AMERICAN ARBOR VITAE (White Cedar). Will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Develops a compact, graceful pyramid. Can be easily controlled by trimming. Price: Three times transplanted, 2 to 3 feet, heavy specimens, \$1.15 each, 2 trees for \$2.00; 3-4 feet, \$1.75 each, 2 for \$3.15, not prepaid.

DWARF MUGHO PINE—A very hardy, dwarf, bushy and compact tree. Easily controlled by trimming. Will thrive in most any location. Requires but little space and is especially desirable for landscape planting and foreground position. Dark, rich green foliage with long, stiff needles. Twice transplanted. Price: 15 to 18 inches, B. & B., \$2.75 each, 2 trees for \$5.35; 18-24 inches, B. & B., \$3.25 each, 2 for \$6.35, not prepaid.

→
BLACK HILLS PINE
(Bull Pine)

Makes an Ideal Drought-Resistant Windbreak

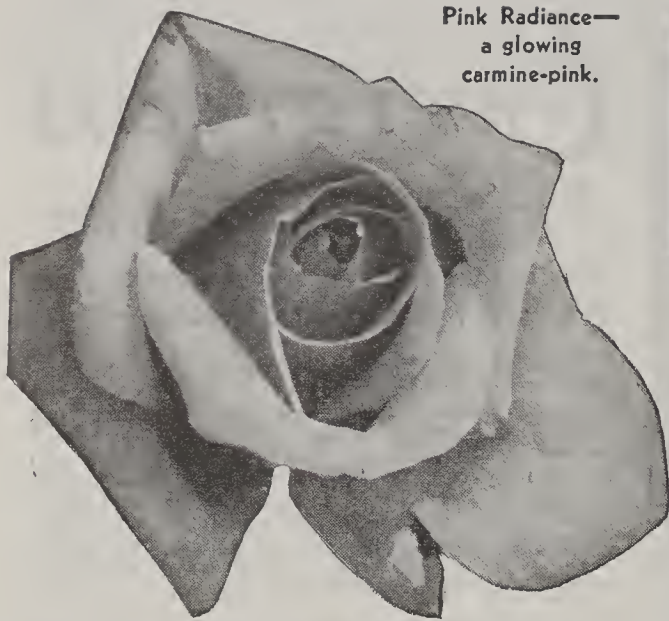


Shelter Belt Evergreen Windbreaks

Plant seedlings marked (S) in the beds for two years—then re-set them in the permanent windbreak. (R.P.) sizes and (R.P.T.) sizes may be set out in well-prepared windbreak rows. They are cheaper in the long run than seedlings, and will give quicker results. All are exceptionally hardy. (S)—Freshly dug seedlings; (R.P.)—Root pruned; (R.P.T.)—Root pruned and transplanted.

		25	50	100	
Black Hills (Bull) Pine.....	2-yr., 4-6 in.	(S) \$2.35	\$ 3.85	\$ 6.45	Prepaid
	3-yr., 6-12 in.	(R.P.) 2.85	4.65	7.85	Prepaid
	3-yr., 12-15 in.	(R.P.) 3.75	5.65	8.35	Prepaid
	4-yr., 6-12 in.	(T) 6.35	11.65	17.85	Not Ppd.
Black Hills Spruce.....	4-yr., 12-18 in.	(T) 9.45	17.85	32.35	Not Ppd.
	2-yr., 3-6 in.	(S) 1.95	3.65	5.95	Prepaid
Colorado Blue Spruce..	2-yr., 3-6 in.	(S) 1.85	3.35	5.75	Prepaid
	4-yr., 6-8 in.	(R.P.T.) 3.45	6.35	11.65	Prepaid
	4-yr., 8-10 in.	(R.P.T.) 9.45	17.85	32.35	Prepaid

Set Evergreen Windbreaks 6 to 8 feet apart in the row and 12 to 15 feet apart between rows.



Pink Radiance—
a glowing
carmine-pink.

On Plant Orders Amounting
to Less than \$1.00, add 15c
for Packing.

RUGOSA ROSES

AMELIA GRAVEREAUX. Double fragrant flowers of bright cerise-red. One of the finest Hybrid Rugosas.

F. J. GROOTENDORST. Produces full clusters of small semi-double roses of a bright crimson; resembles the Crimson Baby Rambler. Always in bloom.

HANSA. Large double fragrant flowers of a rich wine-red color. Handsome dark green foliage. Of sturdy growth, with long blooming season.

SIR THOMAS LIPTON. Fragrant, double white blooms in clusters. Early and free flowering.

Rose Arbor Collection

5 Climbing Roses—your
choice of any of the varieties
listed below. \$1.35
ppd.

CLIMBING ROSES

There are two distinct types of Climbing Roses—those which produce small flowers in huge clusters and those which yield large flowers on long stems for cutting. Both types produce great quantities of bloom at one time and are unequalled for decorating arbors, pergolas or fences.

EXCELSA. The Improved "Crimson Rambler." Immense clusters of double crimson blooms. A beautiful, vigorous and dependable climber.

DOROTHY PERKINS. Soft shell-pink, flowering profusely in large clusters. Very fragrant and lasting.

FLOWER OF FAIRFIELD. Also known as the "Everblooming Crimson Rambler." Bears large clusters of beautiful crimson blooms.

GARDENIA. Early. Yellow. Of vigorous growth and splendid foliage. Bright yellow buds open to creamy white flowers, delightfully fragrant. Blooms better on old wood.

PAUL'S SCARLET CLIMBER. Most brilliant of all roses. Color, a vivid scarlet; flowers semi-double, produced in clusters on much-branched canes.

Prices of Climbing Roses

Two for 68c; Four for \$1.25.

All Prepaid.

Roses

for Fragrance, Beauty
and Continuous Bloom

WE offer a select assortment of the Better Roses for outdoor planting. Vigorous and free flowering, they have proven worthy under many different climatic conditions and are absolutely hardy and dependable. Enjoy them this summer in your garden.

SPECIAL ROSE VARIETIES

FRAU KARL DRUSCHKE. Hybrid Perpetual. This is the ideal hardy white rose. The snow-white, long buds are shaded pink, and open to immense, perfectly double flowers, often 4 inches across. Pure in color, perfect in form, strong grower and remarkably free flowering.

GENERAL JACQUEMINOT. Hybrid Perpetual. Scarlet-crimson buds, opening to clear red flowers of moderate size and excellent shape. The standard red for years. Extremely hardy.

GRUSS AN TEPLITZ. Hybrid Tea. Color, richest scarlet, shading to velvety crimson. Very fragrant. A free, strong grower and continuous bloomer. An ideal garden rose succeeding under the most ordinary conditions.

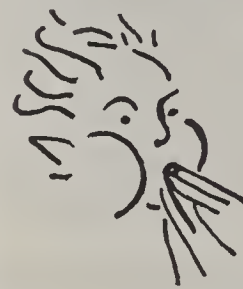
HARRISON'S YELLOW. The best hardy yellow-flowering bush rose. Completely covered with semi-double sparkling yellow blooms about the middle of May.

PINK RADIANCE. Hybrid Tea. A brilliant carmine-pink with salmon-pink and yellow shadings at base of petals. Of vigorous heavy growth, producing its large, double flowers when many other varieties fail.

RED RADIANCE. Hybrid Tea. Large, globular double blooms of a clear brilliant red. A vigorous grower, with heavy canes and healthy foliage. One of the most dependable roses as it always blooms regardless of weather conditions.

TALISMAN. Hybrid Tea. Brilliant red and gold buds opening to well-shaped blooms of scarlet-orange and rich yellow. The finest of all garden roses for cutting. Constantly in bloom. The plant is strong and vigorous with healthy disease-resistant foliage.

WINTER CARE OF ROSES



Before the ground freezes in fall, mound the earth up around the stems of all Bush Roses to a height of 12 inches. Wrap the tops well with leaves and burlap.

Lay canes of Climbing Roses on the ground, and cover with 6 inches of earth and straw or leaves. Do not remove covering until all danger of freezing is past in spring.

PRICES OF ABOVE ROSES

Strong 2-yr. field grown plants, Two for 78c;

Four for \$1.45; Ten for \$3.25.

All Prepaid.

Hardy Rose Collection

5 Your choice of any five
Roses listed above. \$1.65
ppd.

Ornamental VINES



ENGELMAN'S IVY

(Ampelopsis Engelmanni)

Produces dense, clean foliage which turns to intense scarlet in fall. Clings without support to stone, brick or stucco. Absolutely hardy; withstands heat and drought. 2-yr. vines, 25c each; 2 vines for 40c; 4 vines for 70c, prepaid.

BITTERSWEET (Celastrus scandens). Rapid-growing, native climber, with glossy foliage; bears orange-crimson berries in fall. 2-yr. vines, 35c each; 3 vines for 95c, prepaid.

CLEMATIS JACKMANI. The popular large-flowering clematis with gorgeous flowers of velvety purple-violet. Produces its flowers on new wood growth and must be cut back severely each spring. Requires winter protection. 2-yr. vines, 75c each; 2 vines for \$1.25, prepaid.

CLEMATIS PANICULATA. Excellent flowering vine for covering porches and arbors. In late summer it forms a dense sheet of fragrant, white starry flowers. 2-yr. vines, 35c each; 2 vines for 65c, prepaid.

MATRIMONY VINE (Lycium chinensis). A good trailer to cover steep slopes and terraces. Large red berries follow the bright purple flowers. 2-yr. vines, 25c each; 5 vines for \$1.00, prepaid.

SCARLET TRUMPET HONEYSUCKLE. Handsome twining vine which can be used to cover fences, embankments or lattices. Produces a steady succession of bright scarlet, tubular flowers. 2-yr. vines, 25c each; 2 vines for 45c; 4 vines for 85c, prepaid.

Gorgeous PEONIES



Peonies in Bloom at our
Trial Gardens

Ask for Our Leaflet
on Peony Culture

Long Season PEONY COLLECTION

MME. DE VERNE-
VILLE. Early white,
flecked crimson\$.50
FELIX CROUSSE.
Midseason. Deep rose-red .50
CLAIRE DUBOIS.
Late. Rich satiny pink
with a beautiful silver
sheen75

Value \$1.75
for **\$1.50**
ppd.

Peony Supports on
Page 27

Prize PEONY OFFER

AVALANCHE. Late white of perfect form.....\$.50
KARL ROSENFELD. Midseason. Pure deep red..... .50
SARAH BERNHARDT. A lovely apple-blossom pink..... .75
TOURANGELLE. Cream-white, shaded salmon-pink..... 1.00

A **\$2.75** value for **\$2.15** POSTPAID

Our Finest PEONY COLLECTION

LADY ALEXANDRA
DUFF. Delicate blush-pink....\$.75
NYMPHAEA. Buds flushed
rose; flowers ivory-white65
LORA DEXHEIMER.
Intense crimson-red75

Value \$2.15
for **\$1.75**
ppd.

Popular PEONY COLLECTION

LA ROSIERE. White with gold-
en-yellow stamens.
MLLE. CALOT. Flesh-pink,
shaded shell-pink.
RUBRA SUPERBA. Red.

All **3** for
\$1.00
ppd.

FRENCH Lilacs

CHARLES JOLY. Double. Deep wine-red. The large
trusses are held erect, well above the foliage. 2-yr. plants
45c, prepaid. 3-yr. plants 60c, not prepaid.

CHARLES X. Single. Bluish violet-red. Blooms pro-
fusely and is one of the best of all varieties for cutting.
2-yr. plants 45c, prepaid 3-yr. plants 60c, not prepaid.

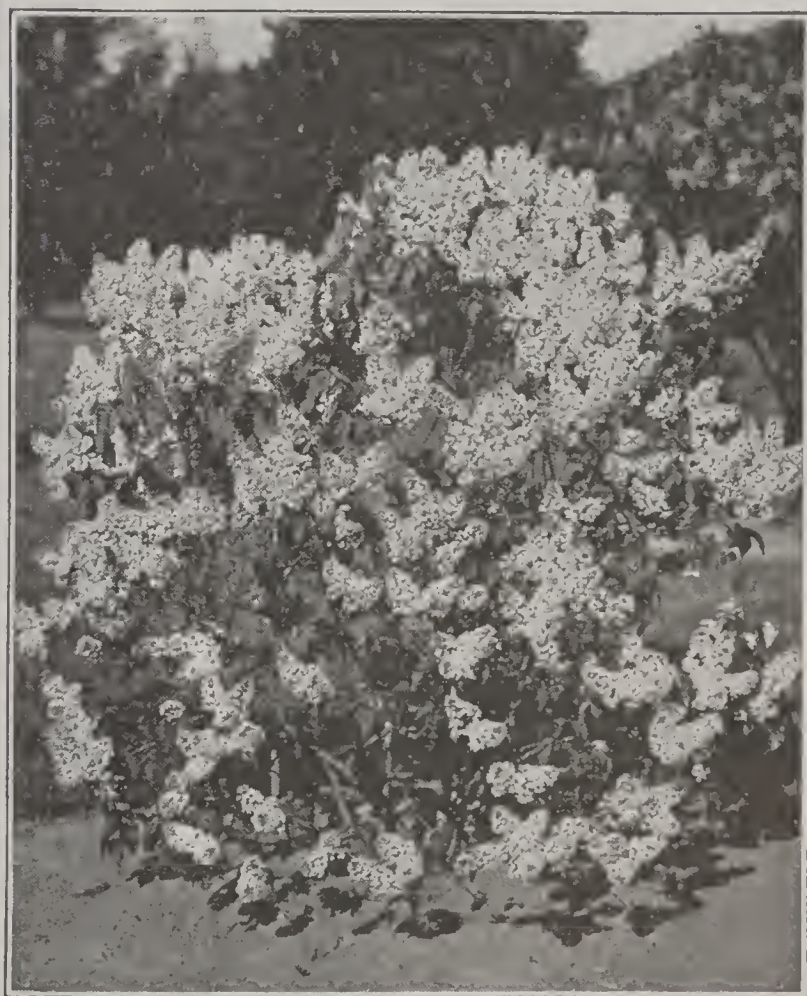
MADAME LEMOINE. Double. Pure white, without
a tinge of cream. Panicles large, long, erect. 2-yr. plants
45c, prepaid. 3-yr. plants 60c, not prepaid.

PRESIDENT GREVY. Double. Clear delicate light
blue. Immense panicles, very symmetrical. 2-yr. plants
45c, prepaid. 3-yr. plants 60c, not prepaid.

Special Lilac Offers

4 FRENCH LILACS **\$1.45**
One Each Described Above
2 Year Size
(3 Year Size, postpaid for \$1.95) **ppd.**

3 LILACS—Your Choice **\$1.20**
Above Varieties — 2 Year Size
(3 Year Size, postpaid for \$1.55) **ppd.**



FRENCH LILACS bloom when young, and bear year after
year panicles of an extraordinarily large size.

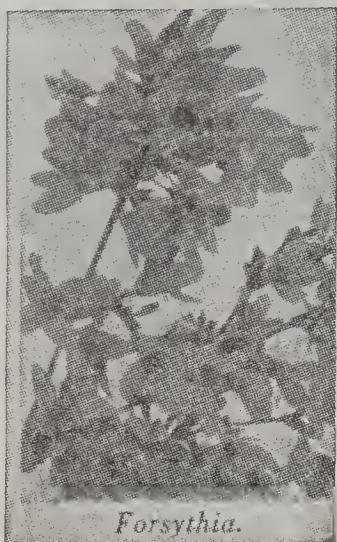
CHINESE LILAC

Beautiful New Hybrid—Extra Hardy. Sim-
ilar in habit and form to the Persian Lilac,
with fine, slender branches but with more
massive clusters of reddish-purple flowers. A
fast grower, free flowering. Desirable as a
specimen shrub, in landscape planting or
along the lot boundary to screen out un-
attractive views. Grows 8-10 ft. high.

2-yr. plants 45c, prepaid; 3-yr. plants 60c,
not prepaid.

The Best Hardy Flowering Shrubs

Plant dwarf shrubs (marked D.), about 1-2 ft. apart. Medium shrubs (marked M.) about 2-3 ft. apart, and large shrubs (marked L.) about 3-4 ft. apart. All shrubs are guaranteed to reach destination in best condition and are bound to grow.



Forsythia.



Spirea A. Waterer.

Shrub Special

One of Each Described Below

8 2 Year Size **\$1.95**
for only **Postpaid**

JAPANESE BARBERRY (Thunbergi). D. Its low spreading growth forms a dense bush. Scarlet and bronze in fall, studded with brilliant red berries. 2-yr. size, 18c, prepaid; 3-yr. size, 30c, not prepaid.

MOCK ORANGE (Philadelphus Coronarius). L. A splendid, tall ornamental shrub. Clusters of large white flowers, delightfully fragrant. 2-yr. plants, 35c, prepaid; 3-yr. plants, 45c, not prepaid.

FORSYTHIA (Golden Bell). L. A graceful ornamental shrub with brilliant golden yellow bell-shaped flowers in early spring. 2-yr. plants, 30c, prepaid; 3-yr. plants, 45c, not prepaid.

SPIREA ANTHONY WATERER. D. A low bush with erect stems 3-4 ft. high. Rosy-crimson flowers in flat-top clusters all summer. 2-yr. plants, 25c, prepaid; 3-yr. plants, 35c, not prepaid.

HYDRANGEA, LARGE FLOWERING (Paniculata Grandiflora). M. Produces enormous panicles of pure white flowers, which change to pink and bronze in fall; often cut for winter house decoration. 2-yr. plants, 30c, prepaid; 3-yr. plants, 50c, not prepaid.

GOLDEN ELDER. L. A handsome, wide-spreading shrub with bright yellow leaves all season. The color is more intense when planted in a sunny position. 2-yr. plants, 30c, prepaid; 3-yr. plants, 45c, not prepaid.



Spirea Van Houttei.

HONEYSUCKLE, RED BUSH (Lonicera Tartarica Rosea). L. Delicately shaped rose-pink flowers followed by bright red berries. Thrive in sun or shade. 2-yr. plants, 25c, prepaid; 3-yr. plants, 35c, not prepaid.

SPIREA VAN HOUTTEI (Bridal Wreath). M. Graceful, arching branches completely covered with tiny snow-white flowers in late May. 2-yr. size, 25c, prepaid; 3-yr. size, 35c, not prepaid.

For Hedge and Pruning Shears see Page 74

Spirea Collection

4 Plants **\$1.00**
2 Yr. Size **ppd.**
1-Anthony Waterer
1-Van Houttei
1-Billardi
1-Snow Garland

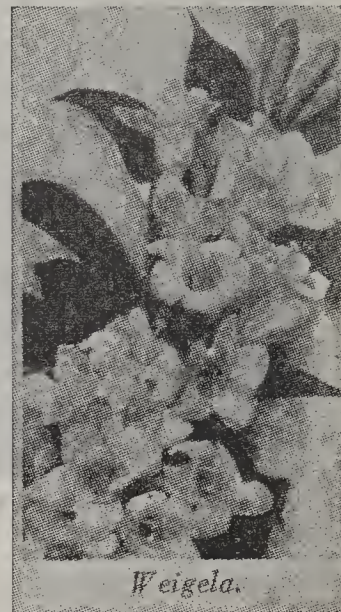
RED LEAF BARBERRY. D. Rich bronze-red leaves that hold their color all summer. A bright contrast to other shrubs. Plant in full sunlight. 2-yr. plants, 30c prepaid; 3-yr. plants, 45c, not prepaid.

CARAGANA (Siberian Pea Tree). L. Of graceful upright habit with fine light green leaves; small bright yellow blossoms in spring. 2-yr. plants, 25c, prepaid; 3-yr. plants, 35c, not prepaid.

COTONEASTER. M. A neat clean shrub with small rounded leaves, dark green and glossy. Inconspicuous pink flowers followed by black fruit. 2-yr. plants, 30c, prepaid; 3-yr. plants, 45c, not prepaid.

HIGHBUSH CRANBERRY. L. Handsome shrub with dense brilliant green foliage. White flowers in spring, followed by big clusters of edible red berries. 2-yr. plants, 30c, prepaid; 3-yr. plants, 45c, not prepaid.

RED-TWIGGED DOGWOOD. L. Bright coral-red branches make this sturdy shrub attractive in all seasons. 2-yr. plants, 25c, prepaid; 3-yr. plants, 35c, not prepaid.



Weigela.

SCARLET ELDERBERRY. L. Of spreading growth with large flower clusters followed by showy red berries in July. 2-yr. plants, 20c, prepaid; 3-yr. plants, 30c, not prepaid.

HYDRANGEA SNOWHILL (Arborescens). M. Large white snowball-like flowers from July to frost. Likes partial shade. 2-yr. plants, 30c, prepaid; 3-yr. plants, 50c, not prepaid.

PURPLE LEAF CHERRY (Cistena). M. Its purple foliage produces a fine color effect and makes a striking contrast in shrub plantings. 2-yr. plants, 30c, prepaid; 3-yr. plants, 45c, not prepaid.

JAPANESE BUSH CHERRY. L. A compact-growing shrub with fine clean foliage. Small pink flowers in spring are followed by shiny wine-red fruit. 2-yr. plants, 25c, prepaid; 3-yr. plants, 35c, not prepaid.

ROSE TREE OF CHINA (Prunus Triloba). M. A great attraction in early spring when every branch is completely covered with clusters of large double pink-rose like flowers. 2-yr. plants, 45c, prepaid; 3-yr. plants, 65c, not prepaid.



Hydrangea.

SPIREA ARGUTA (Snow Garland). M. Graceful and attractive all season, with long light green leaves. A profusion of dainty white blossoms in May. 2-yr. plants, 35c, prepaid; 3-yr. plants, 45c, not prepaid.

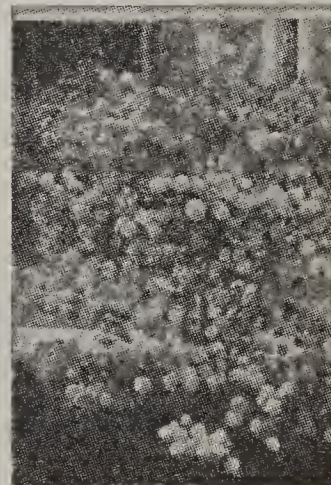
SPIREA BILLARDI. M. Plume-like flowers of delicate rose-pink at end of branches in July and August. 2-yr. plants, 35c, prepaid; 3-yr. plants, 45c, not prepaid.

SNOWBERRY, WHITE. D. Slender graceful shrub with large waxy white berries in September that remain far into the winter. 2-yr. plants, 25c, prepaid; 3-yr. plants, 35c, not prepaid.

TAMARIX (Lace Tree). L. Striking and unusual with feathery foliage and open clusters of small pink flowers at end of branches in June and July. 2-yr. plants, 25c, prepaid; 3-yr. plants, 35c, not prepaid.

WEIGELA (Floribunda). M. Of spreading habit, with slender branches well covered with crimson trumpet-shaped flowers in July. 2-yr. plants, 30c, prepaid; 3-yr. plants, 45c, not prepaid.

For Prices and Description on French Lilacs, see Page 35.



Snowhill Hydrangea.

On Plant Orders Amounting to Less Than \$1.00, Add 15c for Packing



European Mountain Ash

Beautiful low tree with fern-like foliage, producing clusters of bright orange berries in summer and autumn. Very ornamental. Price—4-5 ft. trees, \$1.00 each; 2 for \$1.90, prepaid. (See page 32.)



Blaze-O-Mums

The Plant of a Bushel of Blooms

Hardy and easy to grow. Forms bushes 18-24 inches across with hundreds of pom-pom-shaped flowers. A blaze of color for autumn gardens. Offered in pink, red and golden-yellow colors. Price—3 plants (your choice), for 85c; 6 for \$1.50, prepaid. (See page 57.)

3 for 85c ppd.

ADD 15c FOR PACKING ON ORDERS OF LESS THAN 60c FROM THIS PAGE.



BEAUTIFUL FLOWERING SHRUBS COLLECTION

Descriptions on page 36.

(1) Red Tartarian Honeysuckle. (2) Spirea Billardi. (3) Spirea, Snow Garland. (5) Forsythia (Golden Bell). (6) Spirea Anthony Waterer. (8) Spirea Van Houttei. (9) Hydrangea P. G.

Special 1 each of above 7 beautiful shrubs, medium size, ppd. for **\$1.85** 2 Collections, medium size, for \$3.65, ppd.
1 each of above, large size, prepaid for\$2.85 2 Collections, large size, for ..\$5.45, ppd.



New Lavender Cup Flower

(Nierembergia Hippomanica)

A real sensation—continuous blooming, dwarf, half-hardy perennial. Starts blooming early and continues until heavy frost. Grows 5 to 6 inches tall, with a spread of 8 to 10 inches. Lovely lavender-blue flowers with touch of yellow in center, for borders, pots or window boxes. 3 plants for 65c; 6 for \$1.20, prepaid.



Golden Day Lily Collection

(See page 56.)

Beautiful new named varieties, in shades of orange, yellow and apricot. Hardy and easy to grow.

5 PLANTS Assorted Shades **59c** ppd.



French Lilacs

New, large, double Lilacs of exceptional beauty. Charles Joly. Wine-red. Pres. Grevy. Delicate blue. Charles X. Light red. Madame Lemoine. White. Price: 2-yr. size, your choice, 3 for \$1.20; 4 for \$1.45, prepaid. (See page 35.)



5 Hardy Asters

Most beautiful fall flowers—all lobed. (Page 56.)

Amethyst. Dark blue. Joan Vaughan. Lavender. Skyland Queen. Blue. Red Rover. Red. Sunset. Pink.

One of Each for **95c** ppd.



Cumberland Black Raspberry

Largest of the black-caps, a heavy yielder, firm fruit and delicious flavor, very hardy. 12 heavy plants, 95c; 25 for \$1.85, prepaid. (See page 29.)



Compass Cherry

Bears Second Season
Hardy everywhere. Produces delicious, sweet, red cherries. Postpaid: 2-3 ft. size, 30c each; 4 trees for \$1.00; 10 for \$2.35. 3-4 ft. size, 37c each; 4 for \$1.35. Not prepaid, by express: 4-6 ft. trees, 55c each; 4 for \$2.10. (See page 31.)

Cortland Apple

New top notch quality fall and winter apple — excellent flavor. Hang long on trees. Nationally popular. (See page 30.)
Postpaid: 2-3 ft. trees, 40c each; 4 for \$1.40. 3-4 ft. trees, 48c each; 4 for \$1.80. Not prepaid, by express: 4-6 ft. trees, 65c each; 4 for \$2.50.



Northwestern Greening Apple

Best baking and pie apple. Large greenish yellow fruits; good keeper. Season December to March. (See page 30.) Prices center of page.

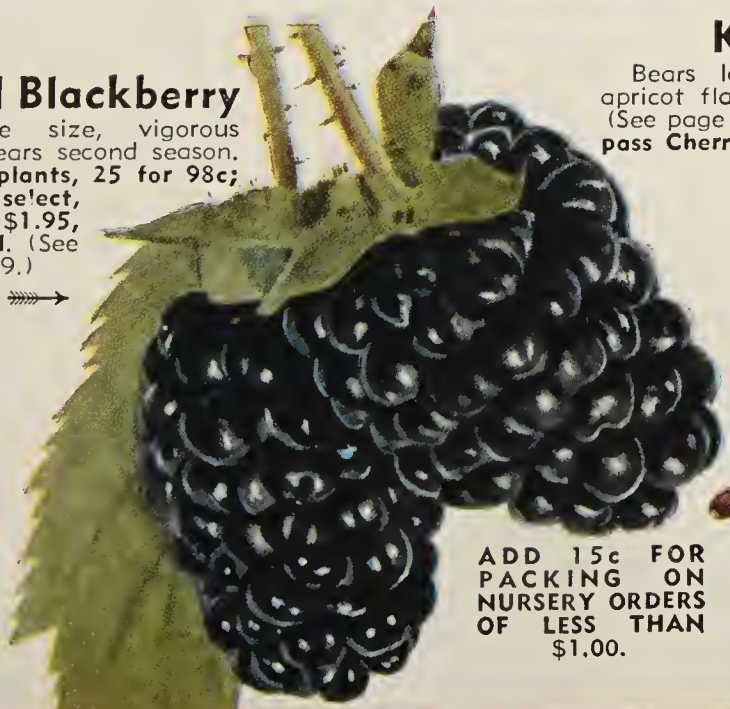
Latham Red Raspberry

Triumph of the Minnesota Fruit Breeding Farm. World's largest raspberry. Finest quality and heaviest yielder. Hardy anywhere and easy to grow. Standard grade, 25 for 95c; heavy grade, 25 for \$1.85, prepaid. (See page 29.)



Alfred Blackberry

Immense size, vigorous grower. Bears second season. Standard plants, 25 for 98c; heavy select, 25 for \$1.95, prepaid. (See page 29.)



Kaga Plum

Bears loads of delicious, large, apricot flavored plums. Very hardy. (See page 30.) Prices same as Compass Cherry above.



Underwood Plum

One of Minnesota Fruit Breeders' best large type plums, excellent flavor, small pit. Peel it like a peach. (See page 30.) Prices same as Compass Cherry.



Everbearing Wayzata Strawberry

World famous — record bearer — fruits first season until snow flies. Exceptional flavor and keeping quality. 25 plants for \$1.00; 50 for \$1.75; 100 for \$3.25, prepaid. (See page 27.)

World famous — record bearer — fruits first season until snow flies. Exceptional flavor and keeping quality. 25 plants for \$1.00; 50 for \$1.75; 100 for \$3.25, prepaid. (See page 27.)

Anoka Apple

Earliest real quality apple; hardy, fine flavored, and a heavy yielder. (See page 30.) Prices center of page.



PRICES

ON ALL APPLES

(Except Cortland)
Shown on this page:
Postpaid: 2-3 ft. trees, 30c each; 4 for \$1.00; 10 for \$2.35. 3-4 ft. trees, 38c each; 4 for \$1.40. Not prepaid, by express, 4-6 ft. trees, 55c each; 4 for \$2.10. (See page 30.)

Double Red Duchess Apple

The all-red Duchess now so popular. Early ripening, delicious flavor and high red color makes this the leading summer apple. (See page 30.) Prices center of page.

COLLECTION A All-Season Apple Orchard

1 Anoka (summer) 1 Red Duchess (summer) 10 Trees — 3-4 ft.
1 Wealthy (fall) 1 Cortland (fall) Value \$3.80. **\$2.95**
4 Haralson (winter) 2 N. W. Greening (winter) Postpaid for

COLLECTION B Combination Fruit Orchard

1 Haralson Apple 1 Underwood Plum 7 Trees — 3-4 ft.
1 Red Duchess Apple 1 Patten Pear Value \$2.63. **\$2.15**
1 N. W. Greening Apple 1 Compass Cherry Postpaid for
1 Kaga Plum

COLLECTION C Home Berry Garden

12 Latham Raspberry 26 Plants. **\$1.35**
6 Indian Summer Raspberry Value \$1.75. Postpaid for
6 Alfred Blackberry
2 Fredonia Grapes



Indian Summer Red Raspberry

NEW EVERBEARING VARIETY

Two crops the same season with this new raspberry. Bears in summer and fall—until frost. Produces large, coral shaped berries of medium red color and high quality. Very hardy and most profitable for fall marketing. Price: 12 for 95c; 25 for \$1.75; 50 for \$3.10, postpaid. (See page 29.)

ON NURSERY STOCK ORDERS UNDER \$1.00, ADD 15c FOR PACKING



Fredonia Grape

Earliest quality grape—good size, perfectly hardy, fine for market. 1-yr. size, 3 for 55c; 5 for 75c. 2-yr. size, 3 for 65c; 5 for 95c, prepaid. (See page 29.)

Patten Pear

Pears are becoming an important fruit crop in the Northwest. Patten is very hardy, of good size, juicy, excellent flavor. Ripens in September. A money maker for the market. (See page 31.) Prices same as apple prices below.



Red Haralson Apple

Prize introduction of Minnesota Fruit Breeders. Largest red winter apple; excellent quality and exceptionally hardy. Best keeper. (See page 30.) Prices center of page.



Wealthy Apple

Best known red fall apple. Noted for its fine flavor. Heavy yielder, large fruit. (See page 30.) Prices center of page.



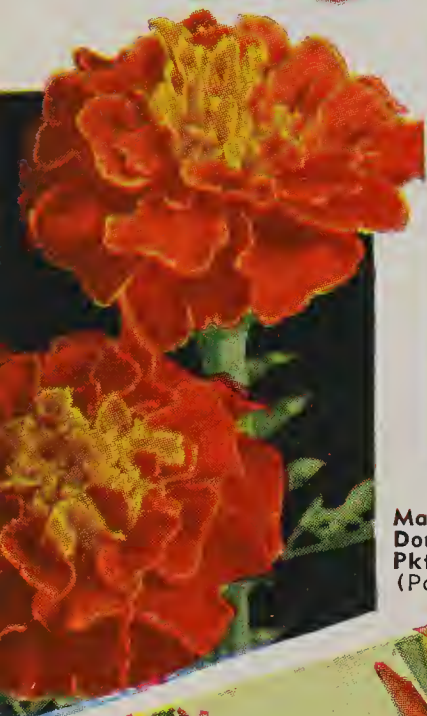
Sweet Pea, Shirley Temple Pkt., 15c (Page 53.)



Gaillardia, Burgundy Pkt., 20c (Page 52.)



Zinnia Linearis Pkt., 15c (Page 54.)



Aster, Single Southcote Beauty. Pkt., 10c. (Page 45.)

New Flowers for Your Garden

Aster, Single Southcote Beauty . . .	\$0.10
Gaillardia, Burgundy . . . . .	.20
Marigold, Dwarf Double Harmony. .	.10
Sweet Pea, Shirley Temple . . . . .	.15
Zinnia Linearis . . . . .	.15
Value	\$0.70

All 5 PACKETS for only 50¢ ppd.

Marigold, Dwarf Double Harmony Pkt., 10c (Page 49.)



Rainbow
GLAD
Collection

Three each of the eight beautiful varieties pictured here:

1 Romance	5 Chas. Dickens
2 Minuet	6 Golden Dream
3 Orange Queen	7 Giant Nymph
4 Mrs. Sisson	8 Dr. F. E. Bennett

24 BULBS \$1.00 ppd.



Colonial



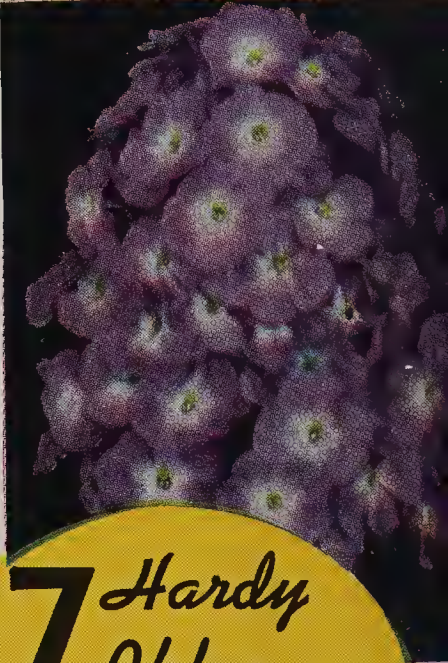
Hauptmann Koehl



Thor



Creeping Phlox (Subulata Rosea)



7 Hardy Phlox

One Thrifty Plant of Each:
 Hauptmann Koehl. Dark red. Prime Minister. White.
 Starlight. Violet. Colonial. New, large lavender.
 Thor. Salmon-pink. Pink Creeping Phlox
 Feuerbrand. Crimson.

\$1.00
Postpaid

See page 56 for description of these varieties



Gaiety Collection

The finest mixture ever offered. A wonderful array of colors and shades. Contains such varieties as Salbach's Orchid, Olive Goodrich, Roi Albert, Emilie Aubrun, etc.

12 for 50c
25 for \$1.15
ppd.

The World's
Finest

GLADIOLI

Twelve Aristocrats

One of each for 75^c_{ppd.}

Two of each for \$1³⁵_{ppd.}

BERTY SNOW. Beautiful lavender with creamy white throat. Doz. 65c.

BRIGHTSIDE. Rich yellow tipped bitter-sweet orange. Ruffled petals with a lustrous sheen. Doz. 75c.

BLEEDING HEART. Blush white with crimson blotch. Doz. 65c.

COMMANDER KOEHL. Giant blood-red blooms of heavy substance. Doz. 70c.

DREAM O'BEAUTY. Large rose-red with slightly deeper throat. Doz. 75c.

DUNA. Soft apricot-pink. An attractive warm-tone variety. Straight, well-arranged spikes of medium height. Doz. 65c.

GOLDEN POPPY. A rich, lustrous deep-toned yellow. Doz. 90c.

MILDRED LOUISE. Beautiful light salmon with faint ruby lines in throat. Doz. 65c.

MOTHER MACHREE. Soft lavender-grey flushed salmon pink. Doz. 65c.

PELEGRINA. Deep blue with a velvety sheen. Doz. 65c.

SONATINE. Pure pink with very faint throat markings. Doz. 90c.

SWEETHEART. Frilled pink with white throat. An exquisitely fresh dainty Glad. Doz. 75c.

Ten Favorites

One of each for 55^c_{ppd.} Two of each for 95^c_{ppd.}

AFLAME. Vivid orange-scarlet. Doz. 60c.

AVE MARIA. An exquisite shade of clear light blue. Doz. 60c.

BILL SOWDEN. A deep vivid red of giant size. Doz. 75c.

DEBONAIR. Warm light pink with creamy throat flaked and peppered deep pink. Doz. 65c.

MARGARET FULTON. Beautiful rich salmon with heavy lustrous petals. Doz. 65c.

MARMORA. Silvery lavender-gray with plum-colored glow in throat. Doz. 50c.

PICARDY. Ruffled shrimp-pink. Huge spike with immense florets of waxy substance. Doz. 50c.

QUEEN OF BREMEN. Beautiful lavender with cream throat. Doz. 50c.

RUFFLED GOLD. Light yellow with silky sheen. Doz. 65c.

WASAGA. Pure apricot, delightfully frilled. Doz. 60c.

A Basket of WASAGA and MILDRED LOUISE combined with the Hardy Perennial Aster SKYLAND QUEEN. (See pages 37 and 56 for Hardy Asters.)

Illustrated at Right ➔

Another beautiful color combination is to arrange pink Gladioli with Blue Delphinium, Marigolds, "Yellow Supreme," and Baby's Breath.



EEZY WEAR GARDEN GLOVES

All-Leather—Dirt Proof—Soft as Kid—Extra Pliable.

Economical—outwear six pairs of fabric gloves and are useful the year 'round for Garden, Housework, Painting, Yard, Furnace, Garage, etc.

WASHABLE!

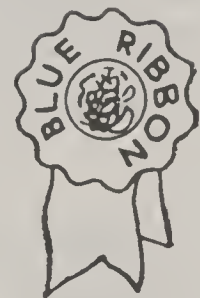
In ordering be sure to specify for men or for women.

Price: 65c a pair (2 pairs, \$1.20), postpaid.

Eight Blue Ribbon

One of each Winners 80^c_{ppd.}

(2 Collections for \$1.50)



BAGDAD. A giant exhibition variety. Smoky old rose; faint creamy blotch penciled Begonia-rose. Doz. 75c.

BLUE ADMIRAL. A deep blue-violet. Tall straight spike with many florets open at one time. Doz. \$1.00.

DR. C. HOEG. Rich maroon, glossy and velvety. Giant spike. Each 15c, 6 for 75c.

KING ARTHUR. Large ruffled lavender with heavy lustrous petals. Doz. 90c.

LAVINIA. Rich medium-deep pink of lustrous heavy substance. Slightly ruffled. Each 15c, 6 for 75c.

MARY ELIZABETH. Beautiful ruffled white with light yellow throat. Doz. 75c.

PHYLLIS McQUISTON. An excellent pure pink without markings. Doz. 75c.

RUFFLED BEAUTY. Giant light yellow of heavy substance. Doz. \$1.00.



Cut Gladiolus Spikes When the Lowest Flower Is in Bloom—the Others Will Open in Succession and Remain Fresh for a Week.

Dahlias of Quality

Giant Exhibition Collection

CHAS. G. READ. (I. D.) Rich blood-red shaded maroon. A sensational Honor Roll Dahlia. Each 75c.

KEMP'S WHITE WONDER. (I. D.) Beautiful fluffy white with petals artistically curled. Each 50c.

ANDREAS HOFER. (C.) Rose-pink with cream base. Blooms early and continuously until frost. Each 50c.

AMBASSADOR. (C.) Buff, shaded orange-salmon. Excellent stems, recommended for cutting. Each 50c.

SALEM PRIDE. (F. D.) Reddish violet, suffused white of unusual color and tremendous size. Each 50c.

5 for
\$2.00
ppd.
(VALUE \$3.00)

Harmony Collection

AVALON. (F. D.) Rich, bright yellow. Erect stems. Ideal for cutting and a wonderful keeper. Ea. 35c.

KEMP'S VIOLET WONDER. (I. D.) Rich violet with an underlying tone of royal purple. Each 50c.

KATHLEEN NORRIS. (I. D.) True rose-pink, deepening to mallow pink, with broad overlapping petals. Each 50c.

SANHICAN'S PEACH. (I. D.) Copper-bronze blended peach. Petals long and waxy. Vigorous dwarf grower. Each 35c.

4 for
98c
(VALUE \$1.70)

Cut-Flower Dahlias

35c each

ALL
PREPAID

3 for \$1.00
ppd.

WILLIAM H. HOGAN. (I. D.) Pure white, edges of petals deep red. A most attractive red and white combination.

JANE COWL. (I. D.) A combination of gold, amber and apricot with deeper bronze at the center. A superb Dahlia.

MARSHALL'S MASTERPIECE. (F. D.) A rich deep velvety maroon.

JERSEY'S BEAUTY. (F. D.) Large rose-pink of perfect form.

RADIO. (I. D.) Rich crimson-red flowers shaded brilliant gold. Of tremendous size on long stems.

JERSEY'S BEACON. (F. D.) Chinese scarlet with a paler reverse giving a two-tone effect.

BROCKTON BEAUTY. (F. D.) Pure white with tips of violet. A beautiful color combination.

MRS. I. DEAYER WARNER. (F. D.) A refined mauve-pink of perfect form.

Miniature Dahlias

Dwarf bushes suited for growing in the garden border, for massing or rock garden planting. The flowers are exceptionally good for table arrangements and dainty decorations.

BABY ROYAL. Salmon-pink shaded apricot. Graceful and free-flowering. Each 35c.

BISHOP OF LLANDOFF. Brilliant red blooms. Dark bronze foliage. Each 50c.

PADDY. Flesh heavily suffused deep rose-pink. Each 50c.

SKIPPY. Carmine, tipped white. Blooms profusely. Each 50c.

TEDDY JOHNSON. White, suffused and tipped Tyrian rose. Each 35c.

Garden Books

Make a Fine Gift for Your Garden-Minded Friends

AUDEL'S GARDENERS' AND GROWERS' GUIDE—Four volumes, 1,700 pages, hundreds of illustrations. Tells how to prepare the soil, how to plant, grow and improve vegetables, fruits and flowers. Flexible art binding, \$5.35, prepaid. Circular free.

AUDEL'S FLOWER EDUCATOR—Six hundred pages, hundreds of illustrations. Gives successful directions for planting and growing Annuals, Perennials, Bulbs, Shrubs and Fine Lawns. Invaluable to every gardener. Flexible art binding, \$1.50, prepaid.



AVALON, a rich bright yellow Dahlia.

The
Best

Cannas



TRIED and TESTED
VARIETIES

Cannas do well in full sun and respond quickly to fertilizing with well rotted manure. Blooming from early summer to frost, they give a gorgeous display with little expense or care.

Used extensively for mass planting in beds and for color effect in hardy borders. Roots started indoors in April may be set out in June when danger of frost is past. We offer dormant roots of first quality.

KING HUMBERT. 4 ft. Large trusses of orange-scarlet flowers. Foliage is bronze, very broad and handsome. A "Gold Medal" Canna.

THE PRESIDENT. 4½ ft. Rich glowing scarlet flowers, 7 inches across, on strong, erect stalks. The foliage is green.

HUNGARIA. 3½ ft. The best pink Canna. Leaves bluish-green, never burn. Trusses are compact and of enormous size.

YELLOW KING HUMBERT. 4 ft. Flowers a deep rich yellow, softly spotted and blotched with bright red. Foliage very dark green.

APRICOT. 4 ft. Color, buff-yellow overspread with salmon-pink, producing a mass effect of rich apricot.

MRS. ALFRED F. CONRAD. 4 ft. Unsurpassed for planting either singly or in large beds. Foliage is green; flowers exquisite pink.

GOLDEN GATE. 4 ft. Color, pure golden yellow. Very rich and effective. Flowers of good size held well above the foliage.

Price any of the above dormant roots, 15c each, 6 for 50c, 12 for 90c, 25 for \$1.70 prepaid.

Canna Bed Collection

19 for \$1.35
ppd.

HOW TO PLANT A ROUND BED

A round bed 7 ft. in diameter requires 19 Cannas planted 18 inches apart each way; one in center; six in first row; twelve in outside row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row. Thirteen feet—61 plants, one for center; six for first row, twelve for second row, eighteen for third row, twenty-four for fourth row. Center of bed should be 4 to 6 inches higher than the level of the lawn.

A border planting of Elephant's Ear, with their broad ornamental leaves is most effective. (See page 43.)

Hardy Garden LILIES

The hardy border is an ideal location for lilies, as they need sunshine on their tops and shade about their roots. The foliage of surrounding low shrubbery and plants provides shade and shows the flowers to best advantage.

CANDLESTICK LILY (Umbellatum)
Height 2-3 ft. A showy, sun-loving variety that is easily grown. The large, orange-red flowers are held erect like widespread chalices, and are borne in great profusion in June. Each 25c, 3 for 65c, prepaid.

CORAL LILY (Tenuifolium)
Height 2 ft. A charming little lily for the border or rock garden. The brilliant coral-red flowers are borne in clusters of five to fifteen on slender stems. Foliage is finely cut and fern-like. Blooms in July. Each 20c, 3 for 50c, prepaid.

GOLD-BANDED JAPAN LILY (Auratum)
Height 4-6 ft. One of the largest and handsomest of lilies. The fragrant, trumpet-shaped flowers are ivory-white, with broad, yellow bands down the center of each petal, and richly spotted with crimson. Blooms in July and August. Each 30c, 3 for 80c, prepaid.

IMPROVED RUBRUM LILY (Speciosum Magnificum)
Height 4 ft. White, flushed rose-pink, and heavily spotted with carmine, the large, frilly flowers face downward and roll back their broad petals so that stamens and pistil curl way out. Blooms in late August. Each 30c, 3 for 80c, prepaid.

PHILIPPINESE FORMOSANUM
Height 3-4 ft. In general appearance, very like the Regal Lily. The long, white trumpet-shaped flowers have a pale emerald-green throat which gives them a distinct and delicate appearance. Bloom from August to frost. Each 30c, 3 for 80c, prepaid.

REGAL LILY (Regale)
Height 3-5 ft. The easiest of all lilies to grow, and the most beautiful of all the true trumpet-shaped varieties. The large flowers are ivory-white, shaded rose, with centers flushed yellow. The stems are sturdy and bear clusters of 2-8 fragrant flowers in June. Each 15c, 3 for 35c, prepaid.

DOUBLE TIGER LILY (Tigrinum Flore Pleno)
Height 5 ft. Handsome, showy lilies of easy culture, producing an abundance of orange-scarlet flowers in August. Very hardy and vigorous. Each 20c, 3 for 50c, prepaid.

TURK'S CAP LILY (Superbum)
Height 3-8 ft. The most magnificent and showy of the native North American species. This splendid lily produces from 1-40 flowers of brilliant orange-scarlet, shaded yellow, and spotted brown. Blooms in late July. Each 20c, 3 for 50c, prepaid.

For Hardy Day Lilies, see page 56

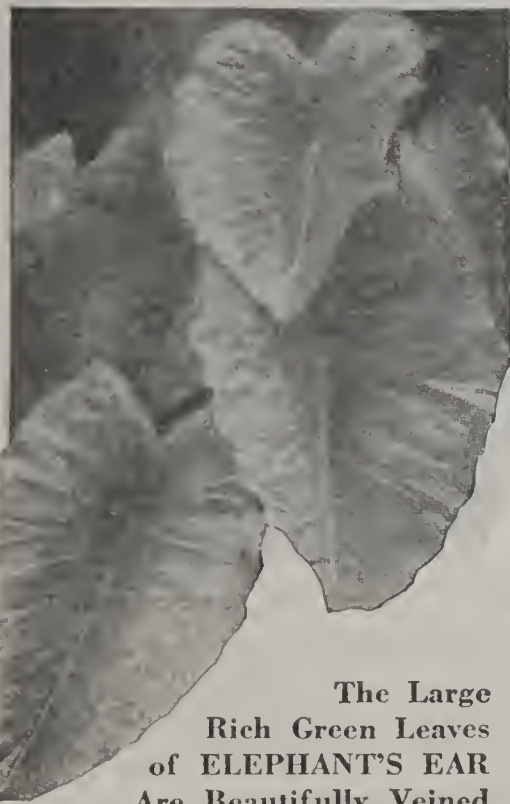


Regal Lilies Growing in Garden.

Special Lily Collection

One Each of the Following:

6	Gold-Banded Japan	\$ 1 ²⁵ / -
	Improved Rubrum	
	Coral Lily	
	Philippine Formosanum	
	Double Tiger	
Bulbs	Turk's Cap	Postpaid
	(Value \$1.50)	



The Large
Rich Green Leaves
of ELEPHANT'S EAR
Are Beautifully Veined

Bulbs
for fall planting

Tulips, Narcissi and Hyacinths must be planted in the fall. Our Special Fall Bulb circular containing descriptions and prices of these and many other hardy spring flowering bulbs will be ready about September 15th. Send for it.

Miscellaneous Spring BULBS

GLOXINIAS

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display, continuing in bloom for several months. Plant the bulbs in small individual pots. Complete cultural directions will be sent with every order. Bulbs ready for shipment after March 1st. Colors, Blood Red, Scarlet, Violet and Dark Blue. Each 35c, 3 for \$1.00, prepaid.

TUBEROSE (DWARF DOUBLE PEARL)

Height 18 in. Dwarf, stocky plants, with spikes of pure white wax-like double flowers with a delicious fragrance. Bulbs planted in a sunny position in the garden in May, bloom in fall. If early flowers are wanted, bulbs may be started in pots in the house, and transplanted to the open ground in May. To preserve tubers over winter, they must be kept in a warm room, or the flower stem will rot, and the tubers never bloom. Each 8c, dozen 75c, prepaid.

ELEPHANT'S EAR (CALADIUM ESCULENTUM)

One of the most effective foliage plants for beds or borders. Of gorgeous tropical appearance with rich green heart or shield-shaped leaves, often 4 ft. long and 2 1/2 ft. wide. Can be planted with good effect as a border for Cannas. First Size Bulbs 3 for 40c, doz. \$1.50, prepaid.

CINNAMON VINE (DIOSCOREA BATATAS)

A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots each 15c, 3 for 40c, prepaid.

MADEIRA VINE (CLIMBING MIGNONETTE)

Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Fine for arbor, trellis or summer houses. A free, constant bloomer—not hardy. Large bulbs each 10c, 3 for 25c, dozen 90c, prepaid.



Giant
Hybrid Amaryllis

House Plants with Gorgeous Lily-Like Flowers

The New Giant Hybrids are the finest strain of Amaryllis we have ever seen. The flowers are immense, with an amazing range of color blends, splashed and striped in a manner not seen in other strains. These bulbs come only in mixed colors, we cannot supply separate colors. Directions with each order.

Price
40c Each. **3 for \$ 1 ⁰⁰ / -**
ppd.



ACHILLEA (Perennial)

1020 **THE PEARL.** 2 ft. Produces large clusters of double pure white flowers from spring until frost. Splendid for cutting. Easily grown from seed. Pkt. 10c

ACROCLINIUM, Double Mixed (Annual)

1024 **EVERLASTING.** 20 in. Graceful daisy-like flowers which if cut just before they open, can be dried for winter bouquets. Pkt. 10c

AGERATUM or Floss Flower (Annual)

1027 **BLUE CAP.** 6 in. A dwarf Ageratum with large flowers of a deep rich blue color. The foliage is small and plants have the appearance of miniature domes and make a perfect edging to flower borders. Pkt. 15c

ANCHUSA "Blue Bird" (Annual)

1040 Height 18-24 in. Bears large umbels of vivid, indigo-blue, Forget-Me-Not-like flowers in a luxuriant bouquet on tall stems from July to October. Effective in the garden or for cutting. Pkt. 15c



Giant California Sunshine Asters.
(See page 45)

New Flowers for 1939

All-America Gold Medal Winner

MORNING-GLORY,
Scarlett O'Hara, Page 50

All-America Selections and Novelties

ASTER, Giant Southcote Beauty. Page 45

ANNUAL CANTERBURY BELLS, Page 46

CALENDULA, Orange Beauty. Page 46

COSMOS, Sensation. Page 47

DELPHINIUM, Pacific Giants. Page 47

HOLLYHOCKS, Double Triumph, Page 48

HOLLYHOCKS, Annual Indian
Spring, Page 48

LAVATERA, Brilliant Rose. Page 49

MARIGOLD, Early Sunshine. Page 49

PETUNIA, Hollywood Star. Page 51

ALYSSUM, SWEET (Annual)

Forms a dense carpet of beautiful flowers and is unexcelled for low edgings and borders. Blooms from June to frost.

1032 **SNOWCAP.** The dwarfest and most compact variety. Plants form a dense cluster of snow-white flowers, with the objectionable green center entirely eliminated. Oz. \$1.00, ½ oz. 60c, ¼ oz. 35c, pkt. 15c.

1033 **LILAC QUEEN.** 6 in. Delicate lavender flowers. A pleasing contrast with the white variety. Oz. 60c, ½ oz. 40c, pkt. 10c.

ALYSSUM, Madwort (Perennial)

1034 **SAXATILE COMPACTUM.** 9 in. An excellent plant for the rockery or front of borders. Produces broad masses of bright yellow flowers in early spring. Also known as "Basket of Gold," ¼ oz. 40c, pkt. 10c

Snapdragons

ANTIRRHINUM (Annual)

New Rust-Proof Super Majestic Strain

A new type with extra-large flowers, closely set on long, sturdy spikes. Developed by scientists of the University of California, this strain is immune to rust. The seeds germinate better, the plants are more vigorous, the foliage clean, the flowers large and the colors exceptionally clear and beautiful. Height 2½ ft.

1046 **ROSE SENSATION.** Rose-pink.

1047 **ORANGE SHADES.**

1048 **ROYAL CRIMSON.** Garnet-red.

1052 **CALIFORNIA GIANT MIXTURE.**

Each of the above. Pkt. 25c.

Any 3 pkts. for 65c

1054 **GIANT MIXED SNAPDRAGONS.** Height 30 in. ¼ oz. 50c, pkt. 10c

1060 **HALF DWARF SNAPDRAGONS.** Height 18 in. ¼ oz. 50c, pkt. 10c

AQUILEGIA or Columbine (Perennial)

1073 **DOBBIE'S IMPERIAL HYBRIDS.** Height 2 ft. Splendid plants for partially shaded positions in the border or rockery. Foliage is graceful and fern-like; the dainty long-spurred flowers are produced in strong brilliant shades of blue, lavender, pink and yellow. Pkt. 15c

ARCTOTIS (Annual)

1074 **GRANDIS.** Height 2-3 ft. Large, pearly-white flowers, with reverse of petals a pale lilac. Center light blue, surrounded with a gold band. One of the best flowers for cutting and one of the easiest to grow. Pkt. 10c

BABY'S BREATH, see Gypsophila, page 48.

BACHELOR'S BUTTON, see Centaurea, page 46.



AQUILEGIA—DOBBIE'S IMPERIAL HYBRID. A vigorous free flowering strain.

BALLOON VINE (Annual Climber)

1200 Height 10-15 ft. Graceful climber with pale green foliage and small white flowers followed by ornamental seed pods resembling small balloons. Oz. 25c, pkt. 5c

BALSAM, (Annual)

1205 **DOUBLE MIXED.** Height 18-24 in. Sturdy bushy plants with large double flowers clustered in the axils of the leaves. Colors: red, rose, pink and white. Prefer rich soil and sunny position. Pkt. 10c

BELLIS, English Daisy (Perennial)

1208 Height 6-8 in. Compact plants, with leaves forming a rosette; the daisy-like flowers of rose and white are borne on stiff stems. Bloom all summer. Pkt. 10c

BRACHYCOME, Swan River Daisy (Annual)

1213 Height 8 in. Compact plants with deeply cut foliage and dainty flowers. Suitable for edging and pot culture. Blooms all summer. Mixed colors. Pkt. 10c



Giant Mammoth Peony-Flowered Aster.

Early Beauty

(Early Midseason Wilt Resistant)

This beautiful strain is rapidly superseding American Branching for general use. Plants are of the non-lateral branching type, grow 2-3 ft. tall, and produce enormous flowers on long, strong stems. Bloom from August to frost. Superb for cutting.

1100 Crimson.

1101 September Beauty, flesh pink.

1102 Azure Fairy, clear lavender-blue.

Each of the above, $\frac{1}{8}$ oz. 40c; pkt. 15c

One pkt. of each for 40c

Early Dawn

(Earliest of All)

A new class that is very early, beginning to flower in mid-July. Large, well-formed blooms about 4 inches across, borne on strong stems. Plants grow 16 to 18 inches tall. An excellent cutting variety.

1110 Finest Mixed... $\frac{1}{8}$ oz. 40c; pkt. 15c

Early Royal

(Early Midseason Wilt Resistant)

These come into bloom in mid-August. The flowers are large and very double, with broad incurved petals; stems are long and upright, branching from the base of the plants. Height of plants, 2 feet.

1125 Royal Rose. 1128 Royal Purple.

1127 Royal Lavender. 1130 Royal Mixed.

Each of the above, $\frac{1}{8}$ oz. 30c; pkt. 10c

Giant Mammoth Peony Flowered

(Midseason)

A super strain with immense double flowers of perfect form, borne on long stout stems characteristic of the true Peony flowered type. Wonderful for cut flowers and a splendid keeper and shipper. Plants grow 2 $\frac{1}{2}$ -3 ft. tall, and bloom from July until frost.

1140 Finest Mixed... $\frac{1}{8}$ oz. 40c; pkt. 15c

Hardy Aster Michaelmas Daisy

(Perennial)

Height 2-3 ft. Splendid for permanent position in the hardy border, where their masses of brightly colored, dainty blossoms liven up the garden in late autumn. The colors are shades of blue, pink and white. Plants form large clumps which must be divided and reset every 3 years.

1145.....Pkt. 15c

ASTERS DISTINCT IN TYPE and COLORING

Grow Beautiful Asters From Wilt Resistant Strains

They have been bred to resist Fusarium Wilt and you will find them much more vigorous and productive than the ordinary strains. The different types which we offer, vary in form and blooming season. By starting seed of various types, you are assured a brilliant garden display and flowers for cutting from mid-summer to frost.

Giant Comet or Ostrich Feather

(Midseason Wilt Resistant)

The finest and largest of all Comet type asters. The massive chrysanthemum-like flowers are borne on stems 12-18 inches long. The petals are charmingly curled and interlaced, giving a light feathery effect. The plants of luxuriant branching growth attain a height of 2 $\frac{1}{2}$ feet. Should be grown in every garden where quality is appreciated.

1146 Finest Mixed..... $\frac{1}{8}$ oz. 30c; pkt. 10c

Super Giant Asters

(Midseason)

Magnificent large flowers, 6-8 inches across, full petaled and very deep with gracefully interlacing petals. Plants 2 $\frac{1}{2}$ ft. tall.

1148 LOS ANGELES. An enchanting shade of pure shell-pink.....Pkt. 15c

1149 EL MONTE. Deep glowing crimson, with the sparkle of live rubies.Pkt. 20c

Giant Single Southcote Beauty

(Early Midseason)

See Color Illustration Page 40

Unrivalled by any other aster for cutting and house decoration. The flowers have long, perfectly formed petals and comparatively small, golden-yellow centers. Plants are of branching habit, 2-2 $\frac{1}{2}$ feet tall; blooms are borne on long stiff stems.

1155 Dark Blue.

1157 Lavender.

1156 Bright Rose.

1158 Scarlet.

Each of the above, pkt. 10c; one pkt. of each for 30c.

For Aster Plants see Page 57

Giant California Sunshine

(Midseason)

The most beautiful and artistic of all Asters. The flowers have cushion centers of light yellow tubular petals, surrounded by broad guard petals of pink, rose, blue or lavender, producing a wonderful color contrast, and presenting an airy, lace-like effect. Individual blooms are 5-6 inches in diameter, on long, stiff stems. Plants 2 $\frac{1}{2}$ -3 ft. high.

1169 Finest Mixed..... $\frac{1}{8}$ oz. 35c; pkt. 15c



Early Beauty Asters.

Heart of France

(Early Midseason Wilt Resistant)

Conceded to be the finest red aster. Its remarkable color of rich glowing red deepens with age. The flowers are of good size, very full and double, and are borne on long stiff stems. Plants are of strong branching habit. 1 $\frac{1}{2}$ -2 ft. tall.

1175.....Pkt. 15c



Giant Comet or Ostrich Feather Aster.

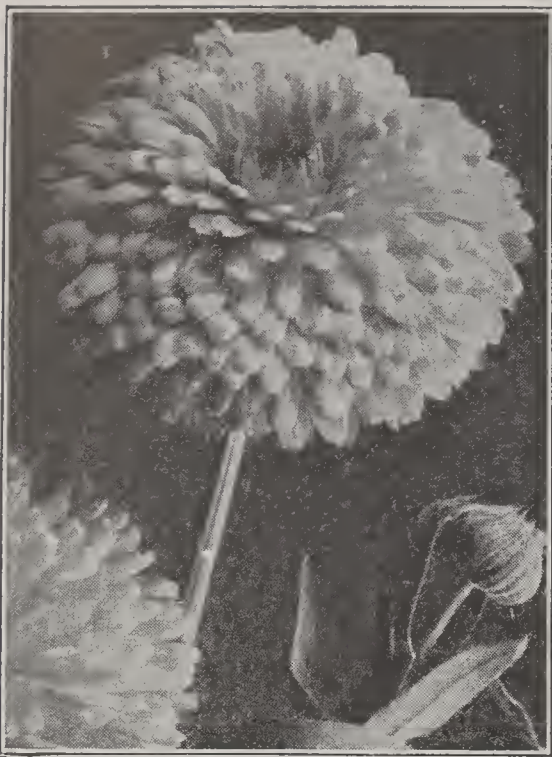
Long Season Collection

1 pkt. Early Dawn.....	} 30c
1 pkt. Early Royal.....	
1 pkt. Giant Comet.....	

Gold Medal Collection

One pkt. each.

Early Beauty.....	} 40c
Giant California Sunshine..	
Mammoth Peony Flowered..	



One of the most beautiful Calendulas is **CAMPFIRE** or **SENSATION**.

New Calendulas

Scotch or Pot Marigold (Annual)

An old-fashioned annual which has been greatly improved in color, form and size by plant breeding. Easily raised from seed, the plants are bushy and grow about 2 feet high. Bloom from early summer to frost.

- 1214 **CHRYSANTHA** or **SUNSHINE**. Bright buttercup-yellow; long curling outer petals; incurved center petals.....Pkt. 10c
- 1215 **ORANGE SUNSHINE**. A golden orange companion to Chrysantha, with same chrysanthemum-like appearance.....Pkt. 15c
- 1216 **ORANGE FANTASY**. (1938 All-America Selection.) Large coppery-orange flowers with crest of seal-brown. Petals curled and interlaced.....Pkt. 20c
- 1217 **IMPROVED CAMPFIRE** or **SENSATION**. Bright glowing orange, with a distinct crimson or scarlet sheen.....Pkt. 15c
- 1218 **ORANGE BEAUTY**. Extra large blooms of perfect form, double to the very center. Pure glowing orange.....Pkt. 10c
- 1219 **DOUBLE ART SHADES**. (New.) Pastel hues of apricot, cream, orange and tangerine..... $\frac{1}{4}$ oz. 50c; pkt. 15c

Centaurea

Bachelor's Button—Cornflower Cyanus (Annual)

- 1268 **JUBILEE GEM**. Height 1 ft. This new dwarf variety forms a compact plant, literally covered with vivid deep blue flowers.Pkt. 20c
- 1269 **DOUBLE MIXED**.... $\frac{1}{2}$ oz. 30c; pkt. 10c
- 1278 **SWEET SULTAN**. (Imperialis.) 2-3 ft. Handsome artistic flowers, resembling the blossoms of thistles, delightfully fragrant, fluffy and double; on long smooth stems, fine for cutting. Mixed colors....Pkt. 10c
- 1280 **DUSTY MILLER**. 1 ft. Compact plants with finely cut silver-gray foliage. Used for beds and edgings.....Pkt. 10c

CHINESE LANTERN, see Physalis, page 51.



The vivid dark blue flowers of Centaurea, Jubilee Gem contrast well with its bright green foliage.

CALIFORNIA POPPY, see Escholtzia, page 48.

CALLIOPSIS, Golden Wave (Annual)

- 1222 Height 2-3 ft. Plants are much branched and produce an abundance of showy flowers in various shades of crimson, orange and gold, all summer... $\frac{1}{4}$ oz. 30c; pkt. 10c

Canterbury Bells

Campanula

Plants form perfect pyramids about 2 feet high and produce beautiful bell-shaped flowers on long upright stems. Bloom in early summer.

- 1224 **ANNUAL CANTERBURY BELLS**. Blooms from seed in less than six months. Seed started indoors in March will bloom in August. Plants bear six to eight flower spikes. Mixture includes pink, deep rose, violet and dark blue.....Pkt. 15c

Biennial Canterbury Bells

- 1225 **SINGLE CANTERBURY BELLS**. Mixed colors, rose, blue and white.....Pkt. 10c
- 1226 **DOUBLE CANTERBURY BELLS**. Mixed colors, pink, blue and white.....Pkt. 10c
- 1232 **CUP AND SAUCER CANTERBURY BELLS**. Its very large calyx is the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed colors.....Pkt. 10c

CANARY BIRD VINE (Annual Climber)

- 1235 Height 15-20 ft. Dainty cut foliage and curious bird-like blossoms of a clear canary yellow. Fine for covering stumps, trellises or fences... $\frac{1}{2}$ oz. 25c; pkt. 10c

Candytuft

(Annual)

Dwarf plants admirably adapted to beds, edgings, pots and borders. Will thrive anywhere, and blooms profusely throughout the summer.

- 1240 **GIANT HYACINTH-FLOWERED**. 1 ft. Enormous spikes of snow-white flowers. $\frac{1}{4}$ oz. 25c; pkt. 10c
- 1242 **FINEST MIXED**. ... $\frac{1}{4}$ oz. 15c; pkt. 10c

CANDYTUFT, IBERIS (Perennial)

- 1243 **SEMPERVIRENS**. 1 ft. Dwarf evergreen plants covered with white flowers in spring and early summer. Fine for borders and the rock garden..... $\frac{3}{8}$ oz. 60c; pkt. 15c

CARDINAL CLIMBER (Annual)

- 1245 Height 20 ft. A strong rapid-growing climber with fine fern-like foliage and clusters of bright red flowers from mid-summer to frost. Very showy and attractive.....Pkt. 10c

Carnation

Giant Flowering (Annual)

Few flowers surpass in fragrance the spicily-scented Carnation. Given an early start indoors or in a hotbed, Double Carnations like those grown by florists, can be grown in the outdoor garden. Plants lifted in fall, cut back and potted, will bloom again indoors.

- 1251 **GIANT ENFANT DE NICE**. Flowers are 2-3 inches in diameter on long, strong stems. Finest mixed colors.....Pkt. 20c
- 1252 **GIANT DOUBLE MARGUERITE**. Blooms abundantly within five months from planting. Finest mixture. $\frac{1}{4}$ oz. 35c; pkt. 10c

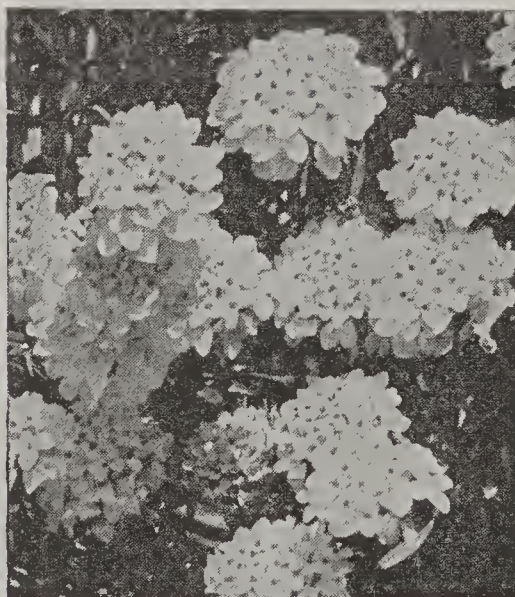
CASTOR BEAN, see Ricinus, page 52.

CLARKIA (Annual)

- 1300 **ELEGANS DOUBLE MIXED**. Height 2 ft. Plants send up a mass of slender, upright branches, with each branch covered for almost its entire length with charming rosette-like flowers, resembling the sprays of Flowering Almond... $\frac{1}{4}$ oz. 50c; pkt. 10c

CLEOME, Spider Plant (Annual)

- 1302 Height 3-4 ft. Striking plants with large interesting flowers of vivid rose, with long thread-like stamens extending out beyond the petals. Thrive in sandy soil and sunny position.....Pkt. 10c



CANDYTUFT grows quickly and easily from seed. The snowy-white spikes of Giant Hyacinth-Flowered are excellent for cutting.

Chrysanthemum

- 1285 **ANNUAL CHRYSANTHEMUMS**. Height 20 in. Daisy-like flowers in attractive color combinations of yellow, brown, red rose and white. Useful for mass color effects and excellent for cutting. Bloom all summer..... $\frac{1}{4}$ oz. 25c; pkt. 10c
- 1290 **SHASTA DAISY** (Perennial). Height 2 ft. June-August. Bears large white flowers on long stems; invaluable for cutting. Very free flowering.....Pkt. 10c

Cockscomb

Celosia (Annual)

- 1255 **CRISTATA**. Height 12-18 in. Large ornamental flower-heads frilled and corrugated like a cock's comb. Mixed colors.Pkt. 8c
- 1256 **CHILDSI**, (Chinese Wool Flower). Height 3 ft. Large globular flower-heads, resembling balls of wool chenille, of a rich bright red color. Bloom from early summer to frost.....Pkt. 10c
- 1258 **PLUMOSA**. Height 3 $\frac{1}{2}$ ft. Forms pyramidal branching plants with large feathery flower-heads, ranging from orange to deep crimson. Mixed colors.....Pkt. 8c
- 1259 **PYRAMIDALIS** (Flame of Fire). Height 1 $\frac{1}{2}$ ft. Candelabra-shaped plants, each branch terminating in a flower-head of fiery scarlet.....Pkt. 20c

Cathedral Bells

COBAEA SCANDENS (Annual Climber)

1303 Height 15-20 ft. A rapid-growing, handsome climber with beautiful bell-shaped flowers 1½ inches across and 2 inches long. Flowers open a clear green, gradually changing to deep violet blue. Particularly desirable for covering arbors, walls, etc.....Pkt. 10c

COLEUS (Tender Perennial)

1305 Height 12-18 in. Handsome foliage plants valuable for bedding borders and window boxes. The leaves are large, of various shapes, marked and bordered in brilliant color combinations. Finest mixed.....Pkt. 10c

COLUMBINE, see Aquilegia, page 44.

CORALBELLS, see Perennial Plants, page 56

CORNFLOWER, see Centaurea, page 46.



CATHEDRAL BELLS

(Cobea Scandens)

This graceful climber has beautiful bell-shaped flowers of deep violet-blue.

Gay Coreopsis

(Perennial)

Height 2 ft. Large orange-yellow flowers on long graceful stems. Bloom profusely during the summer and fall, affording a constant supply of cut flowers.

1308 **MAYFIELD GIANT.** Tall vigorous plants with long stiff stems and very large flowers of rich golden yellow.....Pkt. 15c

1309 **DOUBLE YELLOW.** This new form is very popular, the extra petalage adding a further charm to the immense bright yellow flowers.....Pkt. 15c

CYNOGLOSSUM Chinese Forget-Me-Not (Annual)

1318—**AMABILE**, 18-24 in. Of easy culture, producing large sprays of bright blue Forget-me-not-like flowers all summer. Splendid in bouquets.....Pkt. 10c

CYPRESS VINE (Annual Climber)

1319 Height 10-15 ft. A good vine for training on a light ornamental trellis. Bears a profusion of star-shaped scarlet and white blossoms from midsummer to frost. Fine fern-like foliage. ½ oz. 30c; pkt. 5c

DATURA, Angel's Trumpet (Annual)

1325 **CORNUCOPIA.** 2-3 ft. Handsome sub-tropical plants with immense trumpet-shaped, fragrant flowers of creamy white with violet markings. Blooms from early summer to fall.....Pkt. 10c

New Giant Cosmos

1310 **EARLY FLOWERING MAMMOTH MIXED.** 4-6 ft. Contains soft shades of crimson, rose, pink and lavender. Pkt.10c

1311 **PINK SENSATION.** Height 4 ft. This giant flowered early strain produces blooms of immense size, 4-5 inches or more in diameter, with broad, heavy fluted petals. Ideal for cut flower use. Pkt.20c

1312 **ORANGE FLARE.** 3 ft. Blooms in less than four months from seed. Flowers are a deep brilliant orange, with handsome light green foliagePkt. 15c

1314 **DOUBLE EARLY FLOWERING MIXED.** 3-4 ft. Combines the beauty of the double-crested with the earliness of the single type. Mixed colors.....Pkt. 15c



Giant Flowering Cosmos, Pink Sensation.

Tall Stately Delphiniums

HARDY LARKSPUR (Perennial)

1333 **BELLAMOSUM.** Rich, deep blue. Pkt. 15c

1334 **CLIVEDEN BEAUTY.** (Improved Belladonna.) Turquoise blue.....Pkt. 15c

1335 **GOLD MEDAL HYBRIDS.** Flowers range in color from pale lavender to deep blue, with many double...Pkt. 10c

1336 **WREXHAM HOLLYHOCK STRAIN.** Giant flowered strain with double blooms 1½ to 2 inches across, many of them bicolor.....Pkt. 35c

1337 **PACIFIC GIANTS.** Developed on the Pacific Coast. Florets 2 inches across, on 5 ft. stems, slender and wiry. Mildew resistant. Blue shades...Pkt. 50c

1338 **BLUE BUTTERFLY.** (Chinese Delphinium.) 3 ft. Intense gentian-blue florets; finely cut foliage.....Oz. 55c, pkt. 10c

DELPHINIUM PLANTS, see page 56.

Dianthus

China Pinks (Annual)

Easily raised from seed, they bloom from early summer until frost.

1340 **SWEET WIVELSFIELD.** A splendid border and cut flower. The blooms are larger than Sweet William, with beautiful brilliant colorings and markings.....Pkt. 15c

1341 **HEDDEWIGI LACINIATUS. DOUBLE MIXED.** 1 ft. Brilliant colors, many striped and mottled... ¼ oz. 25c; pkt. 10c

1348 **HEDDEWIGI LACINIATUS. SINGLE MIXED.** 1 ft. Very large fringed flowers ranging from white to deep crimson. Mixed colors..... ¼ oz. 25c; pkt. 10c

DIANTHUS Clove or Grass Pinks (Perennial)

1351 **PLUMARIUS. SINGLE AND DOUBLE MIXED.** 1 ft. Cherished for their spicy fragrance and rich coloring. Fine for rock gardens and edgings..... ¼ oz. 25c; pkt. 10c

DIANTHUS BARBATUS, see Sweet William.

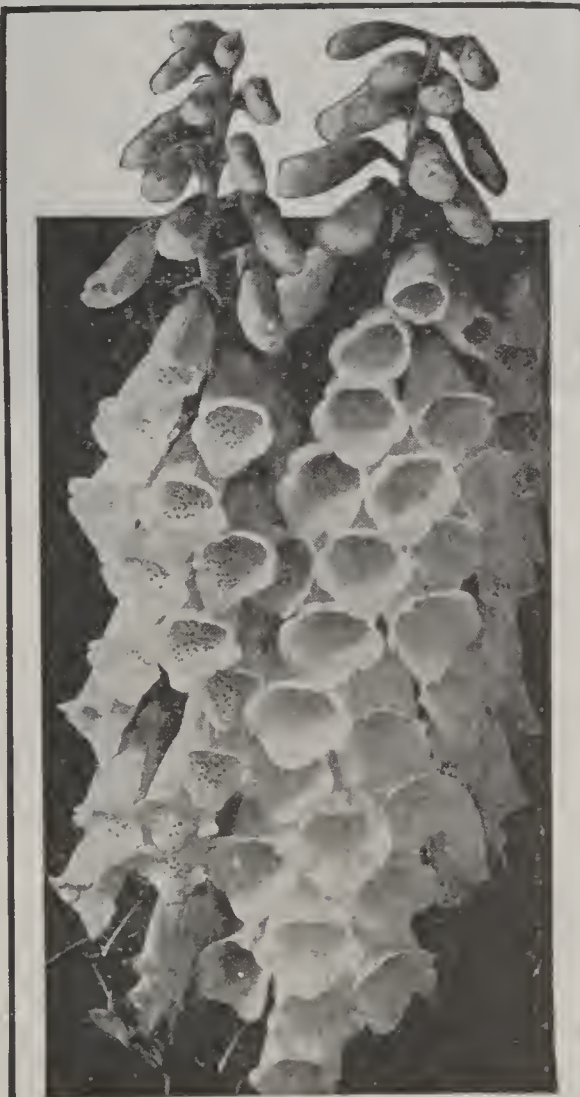
DIDISCUS, Blue Lace Flower (Annual)

1354 Height 2-3 ft. Clusters of lovely umbel-shaped flowers, 2 to 3 inches across are produced from July to frost. The color is an exquisite shade of clear lavender-blue. Desirable for cutting..... ½ oz. 25c; pkt. 10c

DOLICHOS, Hyacinth Bean (Annual Climber)

1357 Height 10 ft. Large dark green leaves and erect racemes of purple and white flowers, followed by ornamental seed pods of a shining bronze-purple. Grows rapidly.....Oz. 25c; pkt. 10c

ENGLISH DAISY, see Bellis, page 44.



FOXGLOVE
Digitalis (Biennial)

1355 Tall spires of brilliant color. 3 or more feet high, closely set with bell-shaped flowers of white, rose, and crimson with beautiful throat markingsPkt. 10c

Improved Gaillardias

Blanket Flower (Annual)

Brilliant and effective either for garden decoration or cutting. Gaillardias delight in a warm sunny location and light, open, well-drained soil. Sow the seed where they are to bloom.

1379 INDIAN CHIEF. 1 ft. Flowers are a glittering, metallic, bronze-red color with dark brown center... 1/8 oz. 25c; pkt. 10c

1380 LORENZIANA DOUBLE FINEST MIXED. 18 in. Colors range from light lemon-yellow to deep orange or scarlet with striking bands and flecks of crimson..... 1/8 oz. 25c; pkt. 10c

Gaillardia Grandiflora

(Perennial)

One of the few perennials that flower continuously from June to October. They thrive in any position or soil and are perfectly hardy. Invaluable for cutting.

1381 THE DAZZLER. 2 ft. Large golden-yellow flowers with rich maroon centers.....Pkt. 15c

1382 BURGUNDY. 2 ft. Shining wine-red flowers, 2 1/2 in. in diameter on long, stiff stems.....Pkt. 20c

GOMPHRENA, Globe Amaranth (Annual)

1390 Height 18-24 in. Bushy plants with clover-like blossoms of purple-red, yellow, rose and white. Very attractive in winter bouquets. They should be cut before they are fully open.....Pkt. 10c

GOURDS, ORNAMENTAL

(Annual Climber)

1393 SMALL VARIETIES MIXED. 15-20 ft. Useful for covering arbors, fences, etc. The flowers are often beautiful, and the fruits are oddly shaped and quaintly marked and colored. They make unique table decorations and interesting toys for children..... 1/2 oz. 20c; pkt. 10c



BRIGHTLY COLORED GOURDS arranged in a bowl or basket make an unusual center-piece for the table.

Baby's Breath

Gypsophila (Perennial)

1410 PACIFICA. New rose-pink form, coming into bloom after the paniculata variety has passed.....Pkt. 25c

1415 PANICULATA. 2-3 ft. Plants are branchy and spreading with stiff, wiry stems and minute white flowers, producing a graceful misty effect. Used extensively with cut flowers as well as for winter bouquets.... 1/4 oz. 25c; pkt. 10c

ANNUAL GYPSOPHILA

Graceful branching plants with clusters of delicate flowers about one-half inch across. Beautiful in bouquets with other flowers.

1416 ELEGANS GRANDIFLORA ALBA. 1-2 ft. Large-flowering pure white..... 1/2 oz. 20c; pkt. 5c

1417 ELEGANS GRANDIFLORA ROSEA. 1-2 ft. Beautiful soft pink... 1/2 oz. 20c; pkt. 5c

HELIANTHUS, see Sunflower, page 53.

HELICHRYSUM, Everlasting or Strawflower (Annual)

1425 Height 2-3 ft. Large double flowers, 1-1 1/2 in across, are produced all summer. Colors range from yellow, orange, red and rose to white. Splendid for winter bouquets.... 1/4 oz. 25c; pkt. 10c



Pink Baby's Breath and other Flowering Plants on page 56.

Misty sprays of BABY'S BREATH combined with brightly colored GAILLARDIAS.

HELIOPSIS, Orange Sunflower (Perennial)

1428 PITCHERIANA. 3-4 ft. Large golden-yellow flowers, 2 in. across, are produced on long stiff stems. Brilliant in the garden and fine for cutting. Blooms all summer.....Pkt. 10c

Hollyhocks

1436 NEW DOUBLE TRIUMPH. 5 ft. Beautifully fringed rosette flowers in many new pastel shades and bi-color combinations..... 1/4 oz. 60c; pkt. 10c

1437 CHATER'S DOUBLE MIXED. 5 ft. Extremely double flowers resembling small peonies with closely packed petals. Color range includes crimson, rose-pink, yellow, salmon and scarlet... 1/4 oz. 70c; pkt. 10c

1440 ANNUAL INDIAN SPRING. A 1939 Silver Medal Winner. Blooms in 5 months from seed. Has double and semi-double fringed flowers in shades of pink on 4-5 ft. plantsPkt. 25c

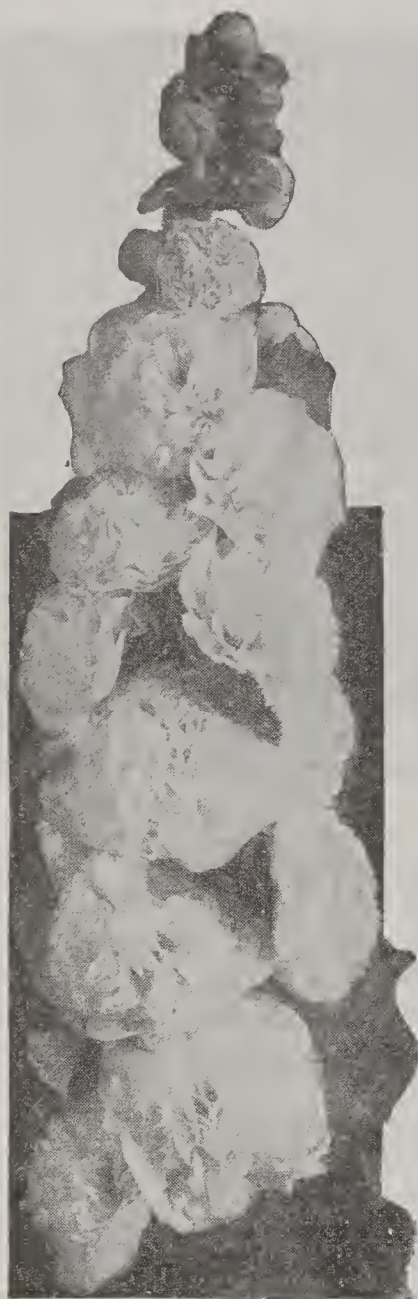
HUNNEMANNIA or Tulip Poppy (Annual)

1444 SEMI-DOUBLE SUNLITE. Height 18 in. July to September. Flowers clear canary-yellow, about 3 in. across. Unlike other double flowers, this novelty develops a band of short petals on the outside of the cup, which adds to its size and attractiveness.....Pkt. 20c

IBERIS, see Candytuft, page 46.



ANNUAL GAILLARDIAS furnish an abundance of cut flowers even during a hot, dry summer.



California Poppies

Eschscholtzia (Annual)

1365 RAMONA HYBRIDS FINEST MIXED. Flowers beautifully frilled and incurved.....Pkt. 15c

1366 DOUBLE CHOICE MIXED. Large double flowers in brilliant shades..... 1/8 oz. 30c; pkt. 10c

FEVERFEW, see Matricaria, page 49.

FORGET-ME-NOT, see Myosotis, page 50.

FOUR O'CLOCKS, Marvel of Peru

1370 Height 2-3 ft. Erect, bushy plants with dense glossy foliage and hundreds of long-tubed, funnel-shaped flowers of white, yellow, crimson or striped. They remain closed until 4 o'clock in the afternoon when the plants become a glowing mass of color.....Oz. 25c; pkt. 5c

FOXGLOVE, see page 47.

GERANIUM (Tender Perennial)

1384 ZONALE. Of easy culture, producing blooming plants the first summer from spring-sown seed. Valuable for bedding, borders, window boxes and house culture. Mixed colors.....Pkt. 10c

GILIA, Queen Anne's Thimble (Annual)

1387 CAPITATA. 2 ft. Erect bushy plants with fine feathery foliage and globe-shaped flowers of a rich lavender-blue. Good for cutting, as the blooms last well in water... 1/4 oz. 25c; pkt. 10c

GODETIA or Satin Flower (Annual)

1388 UPRIGHT SINGLE FINEST MIXED. 15 in. Exceedingly lovely for cutting. The large trumpet-shaped flowers come in shades of pink, white and crimson. The petals have a rich, satiny texture and look as though dusted with pulverized diamonds. Thrive best in partial shade.....Pkt. 10c

Ice Plant

The Ideal Edging Annual for Dry Sandy Soil

- 1446 **MESEMBRYANTHEMUM CRYSTALLINUM**. Height 6 in. A curious trailing plant, with thick succulent leaves covered with glistening ice-like globules. The flowers are pinkish-white. Very popular for rock gardens and dry sunny borders..... $\frac{1}{4}$ oz. 15c; pkt. 5c

JOB'S TEARS (Annual)

- 1448 **COIX LACHRYMAE**. Height 2-4 ft. An ornamental grass, with broad, glistening leaves. Bears curious shiny seeds which may be strung and used as beads. Pkt. 5c

KOCHIA, Summer Cypress (Annual)

- 1465 Height 2-2 $\frac{1}{2}$ ft. Plants are erect, much-branched and densely pyramidal resembling small closely-sheared evergreens. Foliage is feathery soft bright green, turning to red in fall. $\frac{1}{4}$ oz. 25c; pkt. 10c

LATHYRUS

Perennial Pea (Perennial Climber)

- 1480 **LATIFOLIUS**. 6-8 ft. A decorative vine for a trellis or fence. The flowers are borne in large clusters all summer, and are splendid for cutting. Mixed colors: rose, white and crimson. Once established, the roots should not be disturbedPkt. 10c

LAVATERA, (Annual Mallow)

- 1482 **BRILLIANT ROSE**. 2 $\frac{1}{2}$ ft. Showy plants covered with large gay flowers throughout the summer. Color, brilliant rose changing to salmon-rose at center with darker veins in throat. Easily grown from seed, the flowers are valuable for cutting and decorative purposesPkt. 15c



French Marigolds

- 1503 **DOUBLE HARMONY**. 1 ft. Unique in color, with rich deep orange center petals surrounded by broad, velvety maroon-brown guard petals. Extremely early, free flowering and different from any other Marigold... $\frac{1}{4}$ oz. 50c; pkt. 10c
- 1504 **ROYAL SCOT**. 2 $\frac{1}{2}$ ft. A striking combination of mahogany and gold in symmetrical stripes radiating from the center of the flower.... $\frac{1}{4}$ oz. 50c; pkt. 10c
- 1505 **DWARF DOUBLE MONARCH**. A compact type with large double flowers, in combinations of orange, bronze, yellow and mahogany. Splendid for borders and edging... $\frac{1}{4}$ oz. 20c; pkt. 5c

Annual Larkspur

Giant Imperial

One of the gayest of the summer-blooming annuals, and especially valuable for cutting. The spikes are heavily covered with fully double flowers; individual florets are large and closely placed on the stems. Height 3-4 feet.

- 1470 **BLUE BELL**. Azure blue.
1471 **BLUE SPIRE**. Deep violet-blue.
1472 **DAZZLER**. Rich scarlet.
1473 **MISS CALIFORNIA**. Deep rose on salmon.
1475 **GIANT IMPERIAL MIXED**.
Each of the above,
 $\frac{1}{4}$ oz. 40c; pkt. 10c.

CHINESE DELPHINIUM bloom from seed the first year, if sown early and may be treated as Annuals. See page 47 for description and price.

HARDY LARKSPUR, see Delphinium, page 47.

HARDY LARKSPUR PLANTS, see page 56.



LEPTOSIPHON (Annual)

- 1484 **FRENCH HYBRIDS**. 8-12 in. A charming annual for borders and beds. When planted in masses they form a sheet of trumpet-shaped flowers, ranging from yellow to rose and ivory. Bloom all summerPkt. 10c

LIATRIS

Gay Feather or Blazing Star (Perennial)

- 1485 **PYCNOSTACHYA**. 4 ft. Thick grass-like foliage and long narrow spikes of rich purple flowers from July to September. Much in demand for cutting purposes as the flowers last long in water.Pkt. 15c

LINARIA, Maroccana (Annual)

- 1486 Height 12-18 in. Flowers are small and dainty, resembling miniature snapdragons. The colors range through crimson and gold, pink, mauve, blue and rose. Bloom in about 8 weeks from seed and are excellent for cutting.....Pkt. 15c

LOBELIA, Crystal Palace (Annual)

- 1489 Height 6 in. Plants form compact little bushes covered with brilliant, deep blue flowers throughout the summer. Desirable for edgings, bedding and pot culture..... $\frac{1}{4}$ oz. 50c; pkt. 10c

LUNARIA or Honesty (Biennial)

- 1490 Height 2 ft. Has purple flowers followed by shiny silvery seed pods. It is called "Honesty" because the seeds can be seen through the pods. Also known as St. Peter's Penny. Very attractive in winter bouquets combined with Physalis and other Everlastings.....Pkt. 10c

Modern Marigolds

Marigold Novelty Strains

- 1495 **SUNSET GIANTS**. 3 $\frac{1}{2}$ ft. Largest of all Marigolds, averaging over 5 inches in diameter. Sweet-scented. Colors include golden orange and various shades of yellowPkt. 15c
- 1496 **EARLY SUNSHINE**. A 1933 All-America Medal Winner. 2 $\frac{1}{2}$ ft. A tall, stately, Chrysanthemum-flowered type, very late flowering. The brilliant golden yellow flowers are made up of tiny five-petaled florets, gracefully interlocked....Pkt. 20c
- 1497 **CROWN OF GOLD**. 2 $\frac{1}{2}$ ft. Large orange flowers with centers of short, quilled petals and a collar of flat guard petals. Odorless..... $\frac{1}{4}$ oz. 50c; pkt. 10c
- 1498 **YELLOW SUPREME**. 2 ft. The flowers are semi-double, loosely ruffled, of a rich, creamy yellow color... $\frac{1}{4}$ oz. 50c; pkt. 10c
- 1499 **GOLDEN EAGLE** (Improved Guinea Gold). 2 $\frac{1}{2}$ ft. A luminous gold color. Superb for cutting.....Pkt. 15c

Double African Marigolds

- 1500 **LEMON QUEEN**. 30 in. Large double-quilled flowers of lemon yellow. $\frac{1}{8}$ oz. 30c; pkt. 10c
- 1501 **PRINCE OF ORANGE**. 30 in. Immense double-quilled flowers with ends of petals slightly frilled. Color is a deep golden orange..... $\frac{1}{8}$ oz. 30c; pkt. 10c
- 1502 **FINEST MIXED VARIETIES**. All shades from pale yellow to deep orange. $\frac{1}{4}$ oz. 20c; pkt. 5c

Lupins

Hartwegii (Annual)

- 1493 Height 2 ft. Tall graceful spikes of pea-shaped flowers in delicate shades of blue, lavender, pink and white. If cut as they mature the plants continue to bloom... $\frac{1}{2}$ oz. 25c; pkt. 10c

LUPINS, Polyphyllus (Perennial)

- 1494 Height 3-4 ft. Plants form tufts of deeply cut dark green foliage, from which arise the stately spikes of bloom in delicate shades of blue, mauve, pink and yellow.....Pkt. 10c

Grow Flowers, Vegetables WITHOUT SOIL

"The Sensation of the 20th Century"

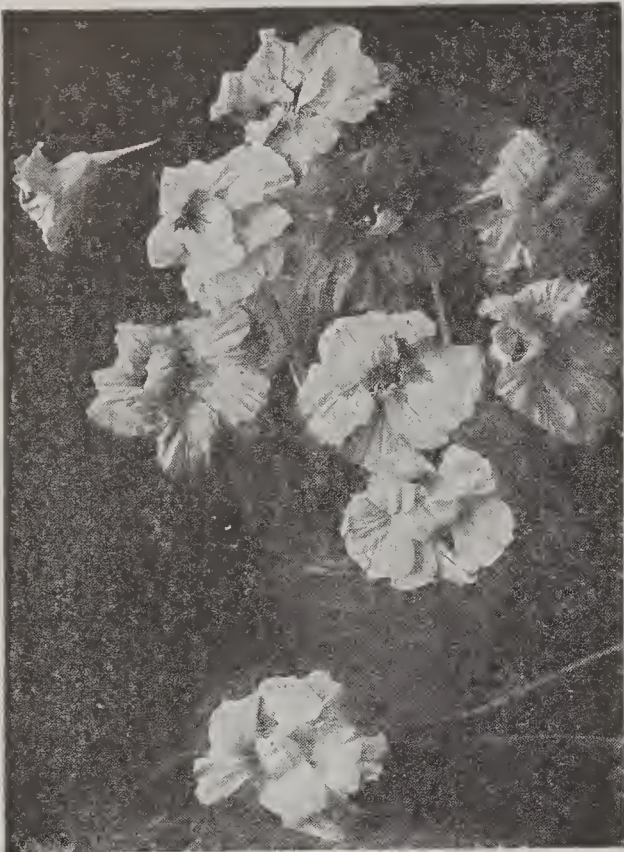


Inexpensive—Easy to Use

Makes sturdy plants with strong root systems which produce more and larger flowers. Grow your own flowering, vegetable or house plants without soil! See page 75 for details. Complete directions with each package.

Small pkgs. 35c, large pkgs. 55c, prepaid.

Marigold "Double Harmony" has a golden-orange center bordered by rich maroon.



The new **DOUBLE NASTURTIIUMS** are miracles of beauty. For making up bouquets in low bowls we could not recommend more striking and effective flowers.

Morning Glories

Ipomea (Annual Climber)

Beautiful vines of luxuriant growth, covered with large, variously colored flowers all summer. Splendid for covering trellises, arbors and porches.

- 1524 **MOONFLOWER.** Immense pure white fragrant flowers that open at night and on cloudy days.... $\frac{1}{2}$ oz. 25c; pkt. 10c
- 1525 **SCARLETT O'HARA.** A new color in Morning Glories. Rich wine-red or deep crimson. Very showy. For early flowering, the seed should be started in pots in March.....Pkt. 15c
- 1526 **IMPROVED HEAVENLY-BLUE.** Vines are a mass of lovely sky-blue flowers, $2\frac{1}{2}$ -3 inches across, from early summer to frost.....Pkt. 15c
- 1527 **JAPANESE MIXED.** Flowers are ruffled and fluted from throat to margin. Colors: red, rose, garnet, blue, purple, etc..... $\frac{1}{2}$ oz. 20c; pkt. 5c
- 1528 **BRAZILIAN MORNING GLORY.** Rosy purple..... $\frac{1}{2}$ oz. 25c; pkt. 10c

MATRICARIA Feverfew (Tender Perennial)

- 1512 **CAPENSIS.** 18-24 in. Plants are bushy in growth, with finely cut leaves and clusters of small, tightly double, white flowers. Excellent for pot plants, bedding and cutting.....Pkt. 10c

MATTHIOLA, see Stock, page 53.

MIGNONETTE, Reseda (Annual)

- 1516 **MACHET.** 12-15 in. Immense compact spikes of blossoms with a delicate fragrant odor are produced throughout the summer and until late in the fall. Fine for cutting..... $\frac{1}{4}$ oz. 25c; pkt. 10c

Moss Rose, see Portulaca, page 51.

MOURNING BRIDE, see Scabiosa, page 52.

MYOSOTIS or Forget-Me-Not (Perennial)

- 1535 Height 4-9 in. Plants are of compact habit with large clusters of exquisite clear blue flowers. Flourish in moist shady positions. Require winter protection.....Pkt. 10c

**SWEET
SCENTED**

Double Nasturtiums

The Double Gleam and Tall Flowering varieties quickly cover sunny slopes, stone walls or bare spots in the rock garden, while the dwarf sorts are excellent border and edging plants.

- 1569 **APRICOT GLEAM.** Large, double sweet-scented flowers of primrose-yellow, suffused with salmon-pink and blending into a lovely shade of apricot....Pkt. 15c
- 1570 **DOUBLE GOLDEN GLEAM.** The large, golden-yellow, double flowers are sweet-scented. The trailing plants are very ornamental and produce a wealth of blossoms.....Oz. 20c; pkt. 10c
- 1571 **DOUBLE SCARLET GLEAM.** Fiery scarlet, semi-double flowers, with ruffled petals. Fragrant..Oz. 30c; pkt. 10c
- 1572 **DOUBLE GLORIOUS GLEAM HYBRIDS.** Gorgeously colored flowers of salmon, yellow, cream, orange, scarlet, maroon and rose shades. Sweet scentedOz. 20c; pkt. 10c

- 1573 **DWARF DOUBLE GEM MIXTURE.** The ideal plant for border and edging use. Dwarf, compact, totally without runners, the plants produce fragrant, semi-double flowers of good size. The color range includes shades of rose, salmon, yellow and scarletPkt. 20c

- 1574 **DWARF SINGLE MIXED.** 1 ft. Giant flowers in a great variety of gay color combinations as well as the brilliant self-colored sorts..... $\frac{1}{4}$ lb. 40c; oz. 15c; pkt. 8c

- 1575 **TALL GIANT FLOWERING MIXED.** 6 ft. Excellent for hanging baskets, window boxes or for covering fences or walls..... $\frac{1}{4}$ lb. 40c; oz. 15c; pkt. 8c

NEMOPHILA, "Baby Blue Eyes" (Annual)

- 1537 Height 6 in. Blooms quickly from seed and continuously from spring until frost. Showy bell-shaped flowers in shades of blue, white and violet. Fine for edging and borders. Prefers a moist, partially shaded position.....Oz. 30c; pkt. 10c

NEMESIA (Annual)

Dwarf annuals which make pleasing masses of low growth for foreground beds and edging. The orchid-like flowers are often an inch across.

- 1538 **STRUMOSA GRANDIFLORA.** 1 ft. A splendid strain of large flowered sorts, ranging in color from yellow, orange and blue to red.....Pkt. 15c
- 1539 **NANA COMPACTA ORANGE PRINCE.** 8 in. Brilliant orange blooms on round compact plants.....Pkt. 20c

NICOTIANA, Flowering Tobacco (Annual)

- 1540 Height 2-3 ft. Plants are of branching habit, and bloom continuously from early summer until frost. The flowers resemble petunias, but have a longer tube. They open toward evening and emit a heavy fragrance. Hybrids mixed..... $\frac{1}{4}$ oz. 25c; pkt. 10c

NIGELLA, Love-in-a-Mist (Annual)

- 1545 **MISS JEKYLL.** Height 18 in. Plants are compact and free-flowering with finely cut foliage and large semi-double flowers of a lovely cornflower-blue on long stems..... $\frac{1}{4}$ oz. 30c; pkt. 10c

New Giant Pansies

IMPROVED STRAINS



**PANSY
PLANTS**
on
Page 57

The seed may be started indoors in February or in a cold frame in March, in carefully pulverized rich soil. Transplant to open ground in May.

If flowers are picked regularly, the plants will continue to bloom until frost. Protect with a mulch of straw, or similar material in fall, and they will endure hard winters with perfect safety.

ROGGLI SWISS GIANTS

- 1606 **ALPENGLOW.** Beautiful cardinal and garnet red shades.....Pkt. 20c
- 1608 **LAKE OF THUN.** Ultramarine blue with darker blotches.....Pkt. 20c
- 1609 **RHEINGOLD.** Yellow with mahogany blotches on lower petals....Pkt. 20c
One pkt. each above for 50c.
- 1628 **ROGGLI SWISS GIANTS MIXED.** Gigantic flowers of heavy texture on strong stems. The colors are choice and rare, surpassing in quality and range all other Swiss Giants.
..... $\frac{1}{8}$ oz. \$1.25; pkt. 25c

SPECIAL MIXTURES

- 1620 **ENGLEMANN'S SPECIAL GIANT.** Selected to a strain of immense flowers from the old Scottish Show type. Bronze and reddish shades. Vigorous, compact and early flowering.....Pkt. 35c
- 1629 **MASTERPIECE OR RUFFLED PANSIES.** A remarkable strain of Giant Pansies with beautifully frilled petals, so full as to appear almost double. Rich colors, with dark velvety shades predominating..... $\frac{1}{8}$ oz. 75c; pkt. 15c
- 1631 **TRIMARDEAU MIXTURE.** A superior strain, with robust deep-rooting plants and flowers of mammoth size and great substance. Choice mixed colors..... $\frac{1}{8}$ oz. 30c; pkt. 10c

Large Flowering Petunias

PETUNIAS surpass all other annuals for bedding purposes. They thrive in poor soil and under the most adverse conditions and bloom continuously throughout the summer until killed by heavy frosts. Seed started in the hotbed in April will produce blooming plants in June.

Giant Flowering Varieties

100% All-Double Giant Fringed

1653—ALL-DOUBLE GIANT FRINGED MIXED. This wonderful new strain produces 100% double-flowering plants. The flowers are exquisitely fringed and often measure 5 inches across. An extra fine mixture of bright and intermediate shades.....Pkt. 50c

Giant Single Flowering Ruffled

1655 GIANTS OF CALIFORNIA MIXED. Enormous flowers, fringed and ruffled, with attractive deep throats beautifully marked and veined. A well-balanced mixture of light and dark colors, including copper-red, rose and pink..Pkt. 25c



GIANTS OF CALIFORNIA are the largest Single Petunias known.

Balcony Varieties

Particularly recommended for porch and window boxes. The plants are of trailing habit, with immense single flowers, three inches in diameter. Produced in great abundance from early summer until killed by frost.

1656 DEEP BLUE. Beautiful deep violet-bluePkt. 15c

1657 DAMASK ROSE. Brilliant Tyrian rose.Pkt. 15c

1658 STAR OF CALIFORNIA. Violet, shaded crimson and starred with five pure white blotches.....Pkt. 25c

1659 BLACK PRINCE. Deep rich velvety redPkt. 15c

Bedding Varieties

Dense bushy little plants, 8-12 inches high, literally covered with flowers. Indispensable for borders, pots, rock gardens and bedding.

1645 HOLLYWOOD STAR. 1939 All America Selection. Distinctive novelty with 5 pointed star-shaped flowers of rose-pink with creamy yellow throats. Blooms early and continues until killed by frost. Pkt.20c

1646 ROSE GEM. A new miniature strain, with rich deep rose blooms which cover the compact plants from early summer to frost.....Oz. 60c, pkt. 10c

1647 GENERAL DODDS. A deep crimson, rich and velvety.....Pkt. 10c

1648 COCKATOO. Violet-purple with irregular white spots and stars.....Pkt. 20c

1649 ROSE OF HEAVEN. Brilliant rose.Pkt. 10c

1650 VIOLACEA. Deep rich violet-blue.Pkt. 15c

1651 FINEST MIXED BEDDING PETUNIAS.¼ oz. 40c; pkt. 10c

PETUNIA PLANTS, see page 57.

PENTSTEMON PLANTS, see page 56.

Pyrethrum

Painted Daisy (Perennial)

Valuable hardy garden plants with beautiful daisy-like flowers in all shades of pink, rose and crimson. Their long flowering period, long stems and wonderful lasting properties make them very popular for cutting. Height 1-2 feet.

1725 SINGLE MIXED... ½ oz. 50c; pkt. 10c

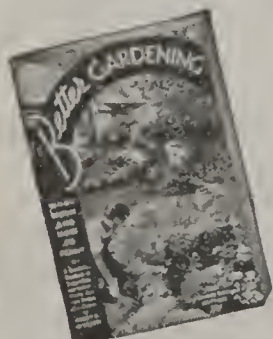
1726 DOUBLE MIXED.....Pkt. 25c

BETTER GARDENING

120 Pages—Many Illustrations

Produced in finest quality rotogravure, it contains lists of Annuals, Perennials and Specialties classified for color and habits of growth, chapters on Landscape Planning, Flowers, Lawns, Trees and Vegetables, 20 pages on Insect and Disease Control, Suggestions for Weed Control, Fertilizing & Pruning, Propagating and Dividing.

Send for Your Copy Today!



1939

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New Annual Phlox

Drummondii Grandiflora

Improved Annual Phlox rivals in size the hardy perennial varieties and is unsurpassed for massing and bedding. It provides an unfailing display of color and cut flowers from early July until well into October.

1664 GIGANTEA ART SHADES. 9 in. A new strain with enormous flowers in a wonderful range of colors. Blended together with a complete absence of harsh colors, this mixture forms a beautiful color combination.....Pkt. 20c

1666 FINEST BEDDING MIXED. 12 in.¼ oz. 35c; pkt. 10c

1673 STAR CHOICE MIXED. 12 in.¼ oz. 40c; pkt. 10c

For HARDY PHLOX PLANTS, see page 56.



Sow PORTULACA in low border edgings, between stepping stones and in the rock garden. It makes a brilliant floral carpet.

Portulaca

Moss Rose (Annual)

Plants have thick creeping foliage covered with a profusion of gay, rose-like flowers in brilliant colors. They delight in a dry sunny position and sandy soil.

1712 SINGLE MIXED... ¼ oz. 20c; pkt. 10c

1713 DOUBLE MIXED... ¼ oz. 75c; pkt. 10c

Gigantea Art Shades is a rare and beautiful mixture never before seen in Annual Phlox



ICELAND POPPY "EMPEROR."
Has silky-textured, fluted flowers of deep tangerine orange.

Brilliant Poppies

ICELAND POPPIES (Nudicaule) Perennial

To brighten the garden, you can make no better choice than the new improved Iceland Poppies. They bear immense flowers with broad, deeply fluted petals, giving a semi-double effect. Bloom freely the first year from seed if sown early.

- 1707 **THE EMPEROR.** 18 in. Deep tangerine, orangePkt. 20c
1708 **THE EMPRESS.** 18 in. Shades of salmon and rose-pink.....Pkt. 20c
1709 **YELLOW WONDER (Amurense).** An All-America Selection. 24 in. Bright buttercup yellow. Heat and drought resistantPkt. 20c

ORIENTAL POPPY Perennial

- 1710 Height 2-3 ft. For gorgeous coloring Oriental Poppies have few rivals among hardy plants. The flowers are often 6 inches across and are borne on tall stems. Produce a magnificent effect.....Pkt. 10c

ANNUAL POPPIES

- 1691 **AMERICAN LEGION.** An improved variety of Flanders Poppy. Flowers are a brilliant orange-scarlet of enormous size, on long stout stems. ¼ oz. 25c; pkt. 10c
1692 **GIANT SHIRLEY (Silk or Ghost).** 1 ft. Beautiful satiny flowers, 4 inches across, with fluted, crinkled petals. Colors contain delicate shades of rose, apricot, salmon-pink and crimson with occasional blues. Foliage is hairy and finely cut.Oz. 30c; pkt. 10c
1695 **DOUBLE SHIRLEY POPPY, "Sweet Briar,"** Deep rose-pink flowers, full and double. Resembles a large double Begonia.Pkt. 15c
1704 **SINGLE MIXED.** Especially fine for massing. Large flowers in a great variety of colors.Oz. 25c; pkt. 10c
1705 **DOUBLE CARNATION FLOWERED.** Immense double flowers with fringed petals, many striped. Finest mixed colors.Oz. 30c; pkt. 10c

CALIFORNIA POPPY, see *Eschscholtzia*, page 48.

TULIP POPPY, see *Hunnemannia*, page 48.

Scabiosa

Pin-cushion Flower (Annual)

Showy in the garden and one of the finest annuals for cutting. Bloom continuously from early summer until frost, in a wide range of rich, beautiful colors. They grow 2 to 3 feet high, with flowers on long slender stems; also known as Mourning Bride.

- 1750 **ROSETTE.** Deep rose suffused salmon.Pkt 25c
1751 **KING OF THE BLACKS.** Reddish-black.
1752 **AZURE FAIRY.** Delicate lavender-blue.
1755 **FIERY SCARLET.**
1757 **FINEST MIXED.**

Each of the above, ¼ oz. 30c; pkt. 10c.

SCABIOSA CAUCASICA.

Blue Bonnet (Perennial)

- 1758 **GIANT HYBRIDS.** Height 18-24 in. Handsome hardy plants that thrive in ordinary garden soil. The semi-double flowers are 2 to 3 inches across and are borne on long stout stems; color is an exquisite lavender-blue shading to deep blue. Exceptionally good for cutting.....Pkt 15c

SCARLET RUNNER BEAN

(Annual Climber)

- 1760 Brilliant scarlet flowers followed by green shell beans excellent for table use.....Lb. 30c, ½ lb. 17c; pkt. 5c



SALPIGLOSSIS is one of the most richly colored of all garden flowers.

RHODANTHE, Everlasting (Annual)

- 1729 **MANGLESII ROSE.** 1 ft. One of the few everlastings which retains its grace and beauty after being dried. The flowers should be cut before they fully expand to retain their beautiful bell formPkt. 10c

RICINUS or Castor Bean (Annual)

- 1730 **RED SPIRE.** 6-8 ft. Foliage plants of luxuriant and rapid growth, valuable for backgrounds and screens, producing a rich tropical effect. The leaves are of enormous size, deeply lobed and conspicuously veined, dark green and bronze in color.....Oz. 25c; pkt. 8c

SALPIGLOSSIS, Painted Tongue or Velvet Flower (Annual)

- 1741 Height 2-2½ ft. Beautiful velvety petunia-like flowers, greatly prized for cutting. They range in color from various shades of purple and blue through red and yellow to creamy white, delicately veined and penciled with gold. Bloom from July to frost..... ¼ oz. 50c; pkt. 10c

Salvia

Scarlet Sage (Annual)

Handsome summer and autumn-flowering annual with brilliant flowers; very effective for massing, bedding and cutting. Useful also for window box and pot plants.

- 1745 **SPLENDENS.** 2-3 ft. Plants are much branched with large spikes of bright scarlet flowers produced in profusion during the summer and fall. This is the old favorite bedding variety..... ¼ oz. 75c; pkt. 10c
1746 **FIREBALL.** 15-18 in. Compact plants with fiery scarlet flowers on massive spikes, erect and stiff; over 200 spikes to a plant is not unusual. ½ oz. 65c; pkt. 10c

SAPONARIA, Soapwort (Annual)

- 1749 **VACCARIA ROSEA.** 2 ft. Produce a profusion of light graceful sprays of satiny-pink flowers. Charming in bouquets combined with other flowers. ½ oz. 25c; pkt. 5c

Statice, Sea Lavender

(Annual)

Indispensable
In
Making
Winter
Bouquets.

- 1769 **SINUATA.** Suitable for growing in rock gardens and charming when dried for winter bouquets. The flowers are produced in racemes on long, graceful stems. Colors: rose, blue and white; retains its true colors when dried. ... ½ oz. 20c; pkt. 5c.

SCHIZANTHUS, Butterfly Flower (Annual)

- 1764 Height 18-24 in. Plants are of bushy luxuriant growth, with delicate finely-cut foliage and exquisite orchid-like flowers in a great range of bright colors, blotched and marked in contrasting shades. One of the daintiest of annuals.....Pkt. 10c

SHASTA DAISY, see page 46.

SNAPDRAGON, see *Antirrhinum*, page 44.

STEVIA (Annual)

- 1770 **SERRATA.** 2 ft. A fine bouquet mixer. Sprays of small white, sweetly-scented flowers are borne on long slender stalks. Flowers quickly after sowing. Covered with litter or straw plants often survive the winter.....Oz. 65c; pkt. 10c

New Colors in Sweet Peas

Giant Orchid Flowering Spencer

Pink and Rose

- 1837 LUSTRE. Carmine-rose.....Pkt. 10c
1838 SHIRLEY TEMPLE. Frilled rose-pink.
.....Pkt. 15c
1839 PINK FRILLS. Salmon-pink..Pkt. 10c
1844 ETHEREAL. Peach, suffused rose....
.....Pkt. 10c
1847 MAYFAIR. Shell-pink.....Pkt. 10c
1851 JACK HOBBS. Cream, flushed scarlet-
pinkPkt. 10c

Cream and White

- 1841 GRAND NATIONAL. Rich cream.....
.....Pkt. 10c
1848 SEXTET QUEEN. White, 5-6 blooms
on stem.....Pkt. 10c

Scarlet and Crimson

- 1843 RUFFLED CRIMSON. Rich crimson..
.....Pkt. 15c
1846 WELCOME. Dazzling scarlet..Pkt. 10c
1853 HOLLYBERRY. Scarlet, flushed orange
.....Pkt. 15c
1857 MAHOGANY. Crimson, overlaid copper
.....Pkt. 15c
1858 CHARMING. Cerise.....Pkt. 10c

Salmon and Orange

- 1842 MAVIS. Sunproof salmon-orange.....
.....Pkt. 15c
1854 BEATALL. Pink, suffused salmon....
.....Pkt. 10c

Purple and Lavender

- 1840 OLYMPIA. Rich purple.....Pkt. 10c
1845 AMBITION. Lavender.....Pkt. 10c

Blue

- 1852 FORTUNE. Rich, dark blue..Pkt. 10c
1855 BLUE BELL. Clear blue.....Pkt. 10c

Various Shades

- 1849 BLACK DIAMOND. Maroon..Pkt. 15c
1856 GEM. Pink picotee on white ground
.....Pkt. 15c
1865—RAINBOW MIXED SPENCER. Giant
Waved Spencer varieties in a complete
color range. ¼ lb. 50c; oz. 25c; pkt. 10c
1875 EARLY FLOWERING SPENCER
MIXED. Come into bloom a month
earlier than other sorts. Suitable for
garden and greenhouse culture. Mixed
colorsOz. 50c; pkt. 10c



To have strong, thrifty plants and large flowers, sow seed of SWEET WILLIAM every year.

Sweet William

Dianthus Barbatus (Perennial)

One of our finest hardy garden plants, of easy culture and thriving in any good garden soil. Grow 12 to 18 inches high, with flowers in flat clusters on tall stiff stems.

- 1890 SINGLE LARGE FLOWERED MIXED.
.....½ oz. 35; pkt. 10c
1891 DOUBLE LARGE FLOWERING MIXED.
.....½ oz. 50c; pkt. 10c
1894 PINK BEAUTY. Beautiful salmon-pink.
.....Pkt. 10c
1895 SCARLET BEAUTY. Intense, brilliant
scarlet.....Pkt. 10c

SWEET ALYSSUM, see Alyssum, page 44.

SWEET SULTANS, see Centaurea, page 46.

Stocks

Giliflower (Annual)

Their deliciously-scented flowers are borne in branching spikes on velvety-leaved plants. The secret of growing good Stocks in the garden is to start the seed early indoors, prick the seedlings into tiny pots, and keep them growing rapidly until they can be set outdoors in the richest possible soil.

- 1772 DWARF TEN WEEKS. 12 in. Large-flowering, double, fine for bedding. Finest mixed colors.....Pkt. 10c
1774 BEAUTY OF NICE. 18 in. Double. Come into bloom twelve weeks from sowing. Deep flesh pink.....Pkt. 15c
1777 GIANT IMPERIAL. 24 in. Double. Given sufficient room, the plants form magnificent bushes with long, thick flower. Finest mixed colors.....Pkt. 15c
1778 EVENING SCENTED STOCK. (Matthiola Bicornis.) 15 in. Small rosy lavender flowers which emit a delicious perfume after dark.....Oz. 30c; pkt. 5c

STOKESIA, Cornflower Aster (Perennial)

- 1780 CYANEA. 2 ft. One of the choicest flowers for the garden and indispensable for cutting. Plants are much branched and bear freely from July until frost, the handsome lavender-blue flowers which measure from 4 to 5 inches across. Of easy culture, succeeding in any open, sunny position.....Pkt. 10c

Sunflower

Helianthus (Annual)

- 1830 MINIATURE SUNFLOWER. 3-4 ft. Produce flowers in many shades of rose, bronze and orange. Bloom all summer and are useful for cutting.....Pkt. 10c
1831 RED SUNFLOWER. 4-6 ft. Curled petals in various shades of red and orange, beautifully shaded and bordered..Pkt. 10c
1832 MAMMOTH RUSSIAN. 8-10 ft. Huge flat flower heads grown for the seeds which are fed to parrots, poultry and birds. Planted in the poultry yard the plants furnish shade, and when planted in the vegetable garden the stalks will serve as poles for climbing or pole beans.
.....Large pkt. 5c

SWEET PEA COLLECTION

One Pkt. Each

Hollyberry—Scarlet	50c Prepaid (Value 65c)
Shirley Temple—Rose-pink	
Black Diamond—Maroon	
Ethereal—Peach	
Blue Bell—Clear Blue	

PERENNIAL PEA, see page 49.



Among the oldest and best-loved garden flowers are STOCKS or GILIFLOWERS.

SWEET ROCKET, Dame's Violet (Perennial)

- 1880 HESPERIS MATRONALIS. 2-3 ft. Hardy herbaceous plants, covered with showy spikes of purple and white flowers. Deliciously sweet-scented after sunset. Splendid for cutting.....Pkt. 10c

Graceful sprays of Stevia combine well with bolder blossoms in bouquets.

New Verbenas

Giant Hybrid (Annual)

Unsurpassed for massing in large beds. The plants are of low spreading growth and are covered with brilliant flowers from June to frost. Average trusses measure 3½ inches across. Valuable for cutting.

1899 FLORADALE BEAUTY. Shades from rose-pink to rose-red.....Pkt. 15c

1900 BLUE AND PURPLE SHADES.Pkt. 10c

1907 CRIMSON GLOW. A pure glowing crimson without an eye.....Pkt. 15c

1908 GIANT HYBRID MIXED VERBENAS. This mixture includes shades of blue, lavender, purple, yellow, rose and scarlet. Will provide flowers for cutting all summer.....¼ oz. 40c; pkt. 10c

The gorgeous orange flowers of TITHONIA (Golden Flower of the Incas) make a brilliant showing in the garden.

TITHONIA (Annual)

1896 SPECIOSA. 6-8 ft. A rare plant native to Mexico. The flowers are a flaming orange-scarlet, 3-4 inches across. Colorful and effective for tall backgrounds. Seed should be started indoors in April. Pkt. 15c.

TRITOMA, Red-Hot Poker (Annual)

1897 HYBRID MIRABILIS. 2-3 ft. Also known as Torch Lily or Flame Flower. Produces striking orange-scarlet flower spikes from August until frost. Start seed indoors in March and set plants out in May. The roots may be taken up in late fall and stored like Dahlia roots.....Pkt. 15c

VENIDIUM FASTUOSUM (Annual)

1898 Height 2-3 ft. Deep, brilliant orange, daisy-like flowers, 4-5 inches across, with a double row of petals, the upper row having a glossy reddish-brown center. Germinates readily and flowers profusely.Pkt. 25c



VENIDIUM has jolly golden-orange daisies with enormous black and brown centers.



TITHONIA.

Viola Cornuta

Tufted Pansy (Perennial)

Closely related to pansies and violets, Violas make splendid edging plants for the border and rock garden. They are hardy and bloom continuously.

1918 ARKWRIGHT RUBY. Bright ruby crimson, shaded terracotta. Fragrant. Pkt. 25c

1919 FINEST MIXED. Includes lavender, orange, purple, blue and yellow.....½ oz. 35c; pkt. 15c

WALLFLOWER, Double (Annual)

1920 Height 12-15 in. Suitable for bedding or pot culture. The main spike is covered with double fragrant blossoms of brown and golden yellow. Seed started indoors in February produces flowering plants in July. Mixed colors.....Pkt. 20c

WILD CUCUMBER (Annual Climber)

1925 ECHINOCYSTIS LOBATA. 20 ft. Grows rapidly and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. Oz. 25c; pkt. 5c

YUCCA, Adam's Needle (Perennial)

1929 FILAMENTOSA. 3-5 ft. Plants present a striking tropical appearance with their strong sword-like foliage and tall spikes of creamy white flowers. Bloom in July. Very effective in the border and rock garden.....Pkt. 10c

Zinnia Novelties

1968 PICOTEE GIANT DOUBLE MIXED. Large double flowers, measuring 4 inches or more in diameter. Colors are: orange, yellow, pink and flesh with edges of petals serrated and tipped with a contrasting color.....Pkt. 10c

1969 SCABIOSA FLOWERED AUTUMN TINTS. 2½ ft. The flowers of this type are so graceful and easy to arrange that they are unexcelled for cutting. The lovely coloring ranges through all the gorgeous autumn tints, including orange, bronze, russet and red. This new strain is perfect in form of flower and comes true.....Pkt. 15c

1970 FANTASY. 2½-3 ft. The shaggy ray-like petals of this type resemble the cactus dahlias. The color range includes the brightest shades of red, yellow and orange, as well as pastel pinks and cream.....Pkt. 15c

1971 LINEARIS. 12 in. A new strain, bearing single flowers of deep golden orange, with a contrasting yellow stripe through each petal. It is early flowering, and if allowed plenty of space, the plants spread over two square feet, without growing taller than ten inches. Flowers profusely.....Pkt. 15c



Mexicana or Miniature Zinnias (HAAGEANA)

This dainty little Zinnia should be in every garden. Arranged in low bowls for table decoration it makes the daintiest and most attractive bouquets imaginable. Also a splendid rock garden and border plant.

1979 MIXED COLORS. Flowers are double and semi-double, 1½ inches across, and come in a most unusual color range—rose tipped yellow, maroon tipped cream, yellow tipped red. Plants grow 10-15 inches high.....¼ oz. 45c; pkt. 10c

The Flower Educator

Lovers of flowers will read with interest and pleasure Audel's Flower Educator. Contains over 600 pages and hundreds of illustrations including full page plates of flowers. Printed in large type, easy to read. Flexible art binding. A much appreciated gift.

Complete Pocket Size Reference Index \$1.50 ppd.

CHOICE

ZINNIAS

Zinnias are the most popular annuals for cutting, bedding and garden display. They may be had in bloom from early summer until killed by frosts.

CULTURE—Zinnias are not particular as to soil, but prefer a sunny location and plenty of moisture. When the plants are 2 or 3 inches high, they should be thinned out to stand 12-15 inches apart. If allowed ample room for proper development, the flowers will be more completely double.

Giant Dahlia Flowered

Height 3 ft.

Huge, double flowers, often measuring 4 inches in depth and from 4-5 inches across. The petals are broad, and closely imbricated, resembling the show type of Dahlia. Flower in 60 days.

- 1931 DREAM. Lavender turning to purple.
- 1932 CANARY BIRD. Primrose yellow.
- 1933 LUMINOSA. Bright deep rose.
- 1934 CRIMSON MONARCH. Rich crimson.
- 1935 ORIOLE. An immense orange and gold bicolor.
- 1940 GIANT DAHLIA FLOWERED MIXED.

Each of the above, ¼ oz. 45c; pkt. 10c

Crown O' Gold

Height 3 ft.

This aristocrat among Zinnias retains its place as an outstanding novelty. The flowers are large, double and well-formed; each petal overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip.

- 1949 DESERT GOLD. Shades of yellow. Of arresting beauty.....Pkt. 20c
- 1950 MIXED COLORS. Includes old rose, cream, lavender, pink, yellow and earmine-red.....¼ oz. 50c; pkt. 15c

"Autumn Tints" is the latest development in the Scabiosa Flowered type of Zinnia.

It comes in a mixture of rich autumn shades, such as burnt orange, russet, bronze-red, etc.



Novelty
Zinnias
on
Page 54

See Page
57 for
Bedding
Plants.



GIANT DAHLIA FLOWERED STRAIN
Produces enormous flowers in brilliant colors.

California Giants

Height 3-4 ft.

Very large double flowers, averaging 5-6 inches in diameter when in full bloom. Somewhat flat in form, the flowers have a most graceful appearance and are splendid for cutting. Bloom in 60 days.

- 1960 GRENADIER. Extra fine dark red.
- 1962 ORANGE KING. Burnt orange.
- 1963 ROSE QUEEN. Rose with deep rose center.
- 1964 SCARLET GEM. Glowing scarlet.
- 1965 CALIFORNIA GIANT MIXED.

Each of the above, ¼ oz. 45c; pkt. 10c

Giant Zinnia Collection

ONE PKT. EACH

California Giant Mixed.
Double Picotee Mixed.
Dahlia Flowered Mixed.

25c

Novelty Zinnia Collection

ONE PKT. EACH

Crown o' Gold, Mixed.
Fantasy.
Scabiosa Flowered Autumn Tints

40c

Midget Zinnia Collection

ONE PKT. EACH

Cupid Mixed.
Red Riding Hood.
Pumila Picotee Delight.

30c

For Bedding and Borders

1974. EARLY WONDER GYPSY. 15-18 in. Blooms within 30-40 days from sowing. The richly-colored flowers of burnished orange are of medium size, on long wiry stems—excellent for cutting. Plants may be grown close together, there is very little foliage.....Pkt. 15c

1975. IMPROVED LILLIPUT OR POM-PON. Unsurpassed for bedding and cut flower purposes. The plants form handsome little bushes 12 to 15 inches high, and are literally covered with small, double flowers all summer until killed by frost. Mixed colors.....¼ oz. 30c; pkt. 10c

1976. RED RIDING HOOD. Height 1 ft. Plants are of compact bush form, covered with intense scarlet flowers not over an inch across. Very effective in solid beds and for edging, and especially recommended for cutting.....¼ oz. 30c; pkt. 10c

1977. PUMILA PICOTEE DELIGHT. Ht. 15-18 in. Dwarf plants with extra double flowers in a mixture of many attractive shades including salmon, buff, cream, yellow and lavender. Petals are beautifully picoté and ruffled...¼ oz. 45c; pkt. 10c



The new midget ZINNIA LINEARIS, with its golden-orange flowers striped lemon-yellow is ideal for edging. See page 54.

Cupid Zinnias

The Smallest of All

Height 1 ft.

Semi-globular flowers, closely imbricated, on long slender stems. As the flowers open, the rounded plants are converted into a mass of color which persists through summer and autumn. Especially adapted as border, bedding, edging and rock garden plants.

1980 TINY TIM. Rich scarlet.

1981 PIXIE. Bright yellow.

1985 FINEST MIXED COLORS.

Each of the above, ¼ oz. 50c; pkt. 15c



PROTECT YOUR HANDS
with
EEZY-WEAR GARDEN
GLOVES

All-leather — dirt-proof —
soft as kid — extra pliable.
Specify for men or women.
Price: 65c a pair, prepaid.

Hardy Flowering Plants

Aquilegia-Columbine



Aquilegia-Columbine

DOBBIE'S IMPERIAL HYBRIDS. 2 ft. A new strain with extra-large long-spurred flowers, unequalled for their range of colors and sturdiness. 3 for 60c, postpaid.

ALPINE. 2 ft. Sturdy, long-lived plants, producing hundreds of flowers year after year. Color ranges from purple to pink. 3 for 50c, postpaid.

Campanula—Bellflower

PERSICIFOLIA, Peach Bell. 2 ft. Wide-open bells in shades of blue and lavender. Superb for cutting. 3 for 75c, postpaid.

ALLIARIAEFOLIA. 2 ft. Creamy white flowers. 3 for 60c, postpaid.

TRACHELIUM, Coventry Bells. 2 ft. Drooping flowers of light purple. 3 for 60c, postpaid.

Chrysanthemum Species

DOUBLE SHASTA DAISY, White Swan. 2 ft. Twenty to thirty flowers in bloom by Memorial Day. Pure white and fully double. 3 for 75c, postpaid.

SHASTA DAISY, Supreme. 2½ ft. Glistening white flowers, 4-5 inches across, on strong, straight stems. 3 for 75c, postpaid.

ULIGINOSUM, Giant Fall Daisy. 4-5 ft. An excellent background plant. Large white flowers in August and September. 3 for 60c, postpaid.

Delphinium—Hardy Larkspur

GOLD MEDAL HYBRIDS. 4-5 ft. A beautiful strain, with colors ranging from pale lavender to indigo-blue; many double flowered. 3 for 60c, postpaid.

DREAMS OF BEAUTY. 5 ft. A disease resistant strain from the Pacific Coast. The flowers are single, semi-double and double and the colors run from sky blue to dark blue, many having a pinkish frill. 3 for 75c, postpaid.

Dianthus—Garden Pinks

SPECIOSUS, Rosy Dawn. Hardy, low-growing and compact, the plants are a mass of bloom during June and July. Color: rose pink. 3 for 60c, postpaid.

DELTOIDES, Maiden Pink. A beautiful little prostrate plant, which bears a profusion of small, crimson flowers in June and July. 3 for 65c, postpaid.

ARENARIOUS, Sand Pink. Delights in sandy soil and full sun. Flowers are white with carmine ring. Deeply fringed and fragrant. 3 for 65c, postpaid.

Gypsophila—Baby's Breath

PACIFICA. 3-4 ft. Plants form dense bushes with myriads of tiny pink blossoms in misty panicles. Blooms in August. 3 for 60c, postpaid.

OLDHAMIANA. 3 ft. A new pink variety with fragrant pink flowers. Blooms in August. 3 for 75c, postpaid.



Shasta Daisy Supreme has immense glistening white flowers. Blooms all summer.

Pentstemon

PUBESCENS. 2 ft. Excellent for hot dry places. Rosy purple flowers. 3 for 60c, postpaid.

OVATUS. 3 ft. A strong growing variety from the Rocky Mountains. Rich purplish blue flowers and glossy dark green leaves. 3 for 65c, postpaid.

GRANDIFLORUS. 3 ft. Beautiful large flowers of a soft lavender-blue. Handsome silvery leaves. 3 for 60c, postpaid.

Veronica—Speedwell

LONGIFOLIA. 2 ft. Blooms July to September. Spikes completely studded with violet-blue flowers. Excellent for cutting. 3 for 60c, postpaid.

ROYAL BLUE. 1 ft. Handsome spikes of rich gentian-blue flowers in June and July. 3 for 60c, postpaid.



The dainty wide-open flowers of Campanula Peach Bell are superb for cutting.

SCABIOSA, New House Hybrids. Large graceful flowers in various shades of lavender. Blooms from June to frost. Ideal for cutting. 3 for 75c, postpaid.

GAILLARDIA, Tangerine. 2 ft. Large tangerine-orange colored flowers. Indispensable for cutting. 3 for 60c, postpaid.

ACHILLEA, The Pearl. 2 ft. Clusters of snow-white double flowers. Fine for cutting. 3 for 60c, postpaid.

COREOPSIS, Perry's. 2 ft. An improved variety with large bright yellow flowers, produced in abundance. 3 for 50c, postpaid.

RUDBECKIA PURPUREA, Giant Purple Coneflower. 3 ft. Rosy purple flowers with large brown cone-shaped centers. Blooms July to September. 3 for 65c, postpaid.

DOUBLE BUTTERCUP, Ranunculus. 1½ ft. Well-known double buttercup, effective either as a cutflower or grouped in the hardy border. 3 for 60c, postpaid.

FUNKIA, Lancifolia. 18 in. Excellent border plants for semi-shade. Attractive foliage and dainty lavender lily-like flowers in July and August. 3 for 60c, postpaid.

SIBERIAN IRIS. 3 ft. Narrow grass-like foliage; rich violet-blue flowers on long graceful stems. Good for cutting and garden display. 3 for 75c, postpaid.

Iris Special

One each of rich blue, golden yellow, bi-color, wine-red, soft lavender and royal purple.

6 STRONG ROOTS for \$1.10 ppd.

Hardy Phlox

Color Illustrations on Page 40

ATHIS. Clear salmon-pink.
B. COMPTE. Satiny wine-red.
CHAMPS ELYSEES. Reddish purple.
COLONIAL. New. Extra-fine blue-lavender.
FIREBRAND. Glowing crimson.
HAUPTMANN KOEHL. Dark blood-red.
PAINTED LADY. Silvery pink; red eye.
PINK BEAUTY. Lovely rose-pink.
PRIME MINISTER. Pure white; crimson center.
RHEINLANDER. Bright salmon-pink.
R. P. STRUTHERS. Bright rosy carmine.
STARLIGHT. Violet-red; white center.
THOR. Rich salmon-pink; scarlet eye.
 Price, any of the above: 3 for 60c, prepaid.

Creeping Phlox

APPLE BLOSSOM. Pink with purple eye.
ATRO-PURPUREA. Brilliant reddish-purple.
AUTUMN ROSE. Bright rose.
BRIGHTNESS. Rosy lavender-pink.
BLUE HILL. New. The closest approach to a blue phlox.
LILAKONIGEN. Deep lilac.
ROCHESTER. Brilliant deep rose.
SUBULATA ROSEA. Rose-pink (See page 40).
 Price, any of the above: 3 for 75c, prepaid.

Hardy Asters

AMETHYST. Purple-blue. Fully double.
BLUE GEM. Double flowers of rich blue.
JOAN VAUGHAN. Deep blue; semi-double.
RED ROVER. Bright rose-red; yellow center.
SKYLANDS QUEEN. Lavender-blue.
SUNSET. A glorious sunset pink.
 Price, any of the above, 3 for 65c, prepaid.

Dwarf Asters

For Edging or Rock Gardens.

CONSTANCE. Shell-pink.
VICTOR. Lavender-blue.
MME. CARROY. Blue. **RONALD.** Rose-pink.
 Price, any of the above, 2 for 50c, prepaid.

Surprise Perennial Collection

All Different—Each One Labeled

15 PLANTS \$1.50
 Prepaid

Rare Plant Novelties

House Plants

To arrive in bloom for Easter, Mother's Day or Decoration Day.

FRENCH HYDRANGEA. Beautiful, ball-shaped flowers in pink, red and blue shades. To arrive in bloom. Price: Average size plants \$1.00, larger plants \$1.50, not prepaid.

LANTANAS. Bronze, pink and orange flowers. Price: 20c each, 3 for 55c, prepaid.

PETUNIA, California Giants. Immense double flowers in brilliant shades of rose, lavender and red. Bloom from April to fall. Price: 35c each, 3 for 95c, 10 for \$2.25, prepaid.

SNAKE PLANT. (Sanseveria.) Decorative foliage plant which stands downright neglect and hardship, as nothing but frost and continuous drenching with water seems to hurt it. Price: 30c each, 3 for 80c, prepaid.

New Begonias

These dainty flowers produced on dwarf growing plants with bright waxy leaves make delightful house plants, and are also valuable for bedding.

INDIAN MAID. Red flowers, bronze leaves.

CHRISTMAS RED. Red flowers with green leaves.

CHRISTMAS PINK. Deep rose-pink flowers, green leaves.

SCANDINAVIA. Cerise bloom, green leaves. Price: 35c each, 4 for \$1.15, prepaid.

BEGONIA, Rex. With outstanding, large, brilliant foliage. Always showy, easy to grow. Price: 35c each, 3 for 95c, prepaid.

House Ferns



Boston Ferns.

BOSTON FERN. Long, graceful drooping fronds.

TABLE FERNS. (Miniature.) Dwarf leafy light green fronds.

ASPARAGUS FERN. (Plumosis.) Fine feathery foliage.

FEATHER FERN. (Sprengeri.) Long drooping branches.

WHITMANI. Fine cut-leaf foliage. Price: 30c each, 3 for 80c, prepaid. Greenhouse size: 75c each, prepaid.

Geraniums

The always popular house plants. Well developed—in bloom or in bud. Your choice of colors—bright red, rose pink, salmon pink or white. Price: 25c each, 3 for 70c, 6 for \$1.30, prepaid.

Primrose

PRIMULA OBSCURICA. A wonderful house plant. Can be depended upon to bloom all winter. Comes in shades of deep pink and red. Price: Small plants from May 1st on, 25c each. Large plants from September on, 50c each, prepaid.

African Violet (Saintpaulia.)

A charming little pot plant producing violet-blue flowers resembling violets. The foliage is similar to that of the Gloxinia. Blooms luxuriantly throughout the winter and early spring months. Price: 75c each, prepaid.

Minimum Plant Order 60c



New Super-Branching Ivy.

New Super-Branching Ivy

The most popular ivy for house culture. Of vigorous growth, the plants are dense and bushy, soon filling an average size flower pot with 12 or more lovely vines. Entirely new in form, this small-leaved English Ivy in no way resembles the old scraggly Ivy, and has become very popular. Price: 35c each, 3 for 95c, prepaid.

New Blaze-o-Mums

Now Offered in Golden Yellow, Pink and Bronze Colors

Planted in May, they will form bushes 18 to 24 inches across literally covered with hundreds of beautiful pompon-shaped flowers. Price: 3 plants for 85c, ppd. (See page 37.)

Vinca Rosea

The ideal plant for hot sunny positions where other flowering plants fail to bloom. Grows a foot high and has attractive star-like flowers of rosy pink. Blooms continuously to frost. Price: 20c each, 3 for 55c, prepaid.



Marie Vogel.

Pelargoniums

(Martha Washington Geraniums)

These plants have been made popular again by the addition of two outstanding varieties.

MARIE VOGEL. Red shaded to salmon, dark blotches; blooms early and continues to bloom through the entire season.

AZALEA. Very dwarf grower with large Azalea-like flowers in shades of red with dark blotches.

Price: 35c each, 2 for 60c, 4 for \$1.00, prepaid.

Window Box and Bedding Plants

Shipment in May and June.

AGERATUM. New Riverside. Large feathery blue flowers blooming all season. Dwarf, compact-growing plants. Price: 15c each, 3 for 40c, prepaid.

MARGUERITE DAISY. Beautiful white daisy, yellow center. Height 12 to 18 in. Price: 15c each, 3 for 40c, prepaid.

PANSY. Large flowered varieties in all colors and shades. Price: Large size plants in flower, 60c per dozen, 3 dozen \$1.50, prepaid.

PETUNIA. Balcony type in pink, purple and white. Price: 15c each, 3 for 40c, prepaid.

SALVIA. Also called Scarlet Sage. Crimson flowers 12 to 18 in. tall. Blooming mid-summer to late fall. Very showy. Price: 2 for 25c, 10 for \$1.00, prepaid.

VINCA. The most popular vine for window boxes. Price: Strong plants, 20c each, 3 for 55c, prepaid.

New Double Petunias

While the Single Petunias are finest for bedding, the new Double Petunias are superior in every way for porch boxes, or may be grown as individual plants. Flowers are truly mammoth, frequently measuring 3 to 4 inches across.

WORLD BEAUTY. Double fringed, carmine-rose color.

ROYAL PURPLE. Very deep purple shade.

WHITE QUEEN. Enormous pure white flowers. Price: 40c each, 3 for 95c, prepaid.

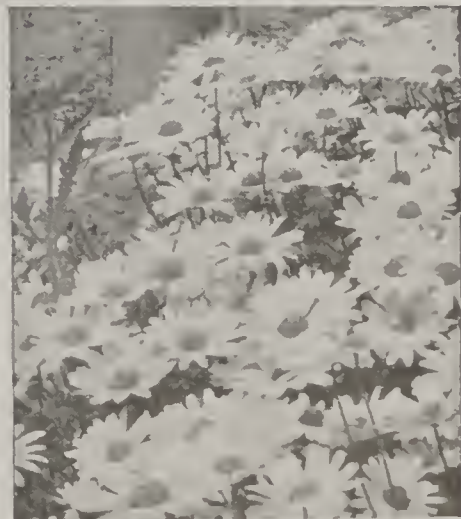
Korean Hybrid Chrysanthemums

The most valuable addition to American gardens in years. Originated in Korea where seasons are short. These beautiful Chrysanthemums can be depended upon to bloom in the fall, long before danger of freezing. They grow about two feet tall, branch well from the base, and each plant will produce an armful of the loveliest cut flowers, or will beautify your garden for many weeks. Five separate colors: Oxblood Red, Clear Yellow, Coral Pink, Bronze, and Orange.

Collection: 1 each 5 varieties, \$1.35. Any 3 for 90c, prepaid.

Mammoth May Daisy

For Decoration Day Flowers



Beautiful large white flowers, 3 to 4 inches across on tall 2-foot stems—excellent for cutting. They multiply rapidly and roots should be divided and reset in August. A light winter covering of straw or litter is advisable. Price: 3 for 50c, 6 for 90c, prepaid.

PREPAID PRICES

Are to 3rd Zone—300 Miles.

PASTURE AND MEADOW MIXTURES



Many Tons of Palatable Hay good for all Livestock, were Produced from this Timothy and Alsike Meadow.

PASTURES ARE PROFITABLE

Pastures furnish not only one-half of the total feed for animals, but the only really cheap feed.

The better management and improvement of pastures is one of the most important needs of American agriculture. Well-planned and properly-managed pastures not only provide a large amount of nutrition for livestock, but also serve to keep down weeds.

By the use of pastures, animals harvest their own feed, chores are reduced, the manure is left on the land, animals have a better choice of feed, and gains are cheaper.

All classes of livestock do well on pastures which are very important to the health of these animals and economy of production.

Combinations or mixtures of suitable pasture plants are generally more desirable than one kind of plant seeded alone. The mixture affords variety, adds palatability and often increases the production per acre. A single grass or legume may fail to make a good stand when others catch well. Very frequently gaps or open places are filled up by a mixture. It is considered very important to include both grasses and legumes in pasture and meadow mixtures.

Timothy and Alsike Mixture

Permanent and Productive

1. It makes an excellent permanent pasture as both grasses are perennials.
2. It may be grown on slightly acid soil where Red, Sweet Clover or Alfalfa do not thrive.
3. The hay produced is very leafy, of fine quality and richer in protein than Timothy alone.
4. More tons per acre can be produced.
5. Fertility will be added to the soil through the Alsike, and the Timothy will grow much better as a result.
6. All classes of livestock like the hay.
7. Good returns may be expected on uplands as well as lowlands.
8. Timothy and Alsike mixed will produce more feed per acre than if two separate fields of Timothy and Alsike were grown for hay and mixed.
9. More seed is produced per acre than from two separate fields of Timothy and Alsike. This allows us to make a lower seed price to the farmer than if he bought Timothy and Alsike seed separately and mixed them.

We offer two mixtures of Timothy and Alsike. One contains 20% to 25% Alsike, and is a very popular mixture, grown to a great extent. For those who wish a larger percentage of Alsike, we supply a mixture having 30% to 35% Alsike. This mixture has become popular and is in as big demand as the 20% to 25% mixture. Sow about 12 lbs. of either mixture to the acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. For prices on larger quantities, see Blue Figure Price List.

Mixture For Low Wet Ground

For land that is occasionally overflowed. This pasture and meadow mixture contains grasses that withstand overflowing of the land without being drowned out. The following mixture has proved most satisfactory for this purpose: Red Top, Timothy, Alsike, Brome Grass, Domestic Rye Grass and Reed Canary Grass, mixed in the proper proportions. After a few seasons, the Red Top, Brome Grass and Reed Canary Grass will predominate, giving you a permanent pasture or meadow that will yield many tons of hay having high feeding value.

Where a single grass is preferred, we would recommend Reed Canary Grass. (See page 59.)

Sow 20 to 25 lbs. per acre. For top seeding, sow 10 to 15 lbs. per acre. Price: Lb. 35c, prepaid. Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List for larger quantities.

Try This New Legume Grass Mixture

Recommended by Northern Experiment Stations

Earns Soil Conservation Payments

Contains Brome Grass, Alfalfa, Sweet Clover and Timothy in proper proportion. Has proven to be an excellent long rotation combination. Produces a hay crop for one or two years, after which it can be pastured. Brome Grass and Alfalfa will remain after two years.

The Alfalfa supplies nitrogen to the Brome Grass, keeping it very productive, thus avoiding a sod-bound condition. The Brome Grass in turn provides winter cover for the Alfalfa.

In this ideal combination Brome Grass has shown 30 to 40 per cent greater protein content. This mixture also prevents Blue Grass and annual weeds from coming in. It is recommended by the Experiment Stations of Minnesota, Wisconsin, Illinois, Ohio and Michigan.

Sow 15 to 20 lbs. per acre in spring or early summer, with the grass seed attachment to your grain drill, or broadcast it. You can mix in moist soil or sand to get even seeding.

Price: Lb. 35c, prepaid.—Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List for quantity prices.

We offer free, if requested, with an order for Pasture and Meadow Mixtures of \$2.00 or more, the valuable booklet entitled, "Our Pastures—They Deserve Better Care," Published by the International Harvester Co.

Permanent Hog Pasture Mixture

Permanent Hog Pasture Mixture contains the following mixed in the right proportion to produce the greatest feeding value:

Alfalfa.	Meadow Fescue.
Red Clover.	Domestic Rye Grass.
Alsike Clover.	Bromus Inermis.
Sweet Clover,	Timothy.

This mixture can be sown any time, from early spring until midsummer, and does not require any particular kind of soil, in fact, any soil that produces crops of small grain or corn, will answer the purpose. Because of the large amount of clover and alfalfa it contains, it serves the double purpose of providing the hogs with pasture of high feeding value, and building up the soil at the same time. Sow 25 lbs. per acre. Price: See Blue Figure Price List.

All Season Pasture and Meadow Mixture

For all soils except low, wet ground. We offer this special pasture and meadow mixture designed to supply hay or grazing throughout the entire season. This mixture is made up of hardy, strong-rooted grasses and clovers which will resist the extremes of our cold northern winters and hot, dry summers, also endure close pasturing.

Pasture and hay lands, when used for feeding livestock, have shown more profits than most other kinds of crops. In the government program to curtail production of grains and corn, pasture and hay combinations are recommended to be planted on those acres which otherwise would be idle. In the past there has always been a shortage of high quality hay in many sections of the country and it will be many years before an oversupply can be produced.

This All Season Mixture includes Kentucky Blue Grass, Timothy, Red Top, Alsike, Red Clover, Brome Grass, Meadow Fescue, and Domestic Rye Grass in proper proportions. Sow at the rate of 20 to 25 lbs. per acre. Price: Lb. 35c, prepaid. Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List for larger quantities.

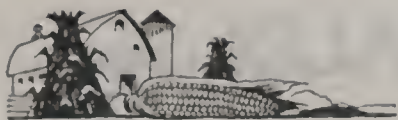
Annual Hog Pasture Mixture

ONE ACRE ENOUGH FOR 40 SPRING PIGS OR 20 OLDER HOGS

This mixture was put up to meet the demand for a pasture that will develop young pigs rapidly, and produce pork at a minimum cost. It contains all the necessary body and bone building elements, and will prove much more economical than the use of corn, grain and mill feed throughout the year. A good pasture of legumes, grasses and grains, will keep hogs in healthy condition, fatten them quickly, so that but little corn is required to finish them off. Our balanced ration mixture consists of the following in the right proportions:

Amber Cane.	Rye.
Vetches.	Oats.
Field Peas.	Dwarf Essex Rape.
Barley.	Sudan Grass.

One acre of pasture sown to this mixture is sufficient for 30 to 40 spring pigs, or 15 to 20 older hogs. It is best to divide the hog pasture into two parts and change the hogs from one section to the other, about once a week, to give the grains and grasses a chance to recuperate. Sow at the rate of 60 to 75 lbs. per acre. Price: See Blue Figure Price List.



HARDY GRASSES



CRESTED WHEAT GRASS

The Ideal Dry Land Pasture Grass

Crested Wheat Grass is a hardy, drought-resistant perennial bunch grass. It has a longer productive period than Slender Wheat Grass or Bromus Inermis. It is native to the cold, dry plains of Russia and Siberia, and it is particularly adapted to the Great Plains section of the United States.

Probably due to its extensive root system which permits storage of abundant food reserves and ready utilization of water, Crested Wheat Grass makes an early and rapid growth. It has a tendency to become dormant during an extremely hot dry period, but resumes its growth in early fall, continuing until late in the season. It grows at low temperatures and is able to utilize the soil moisture and to check the growth of other grasses and weeds where the moisture supply is limited. In the semi-arid regions—Kansas, Nebraska, Montana, Wyoming and the Dakotas, this grass does best, although it appears to do well anywhere. When used as pasture for sheep, no matter how badly it has been subjected to use, it comes right up again.

Seed Production Profitable

Crested Wheat Grass produces 400 lbs. of seed per acre grown under dry conditions on fields two or more years old. Any good field will produce 200 to 300 lbs. per acre. There is a great demand for seed.

Sow 10 to 12 lbs. of seed to the acre. After obtaining a good stand, no cultivation is necessary, as it will choke out all weeds. Harvest it once a year. Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

8 lbs. of Crested Wheat Grass and 4 lbs. of Alfalfa per acre make a good combination crop. For larger quantities, see Blue Figure Price List.

TIMOTHY

A hardy perennial resistant to both cold and drought—it is best adapted for sowing with Clovers which supply nitrogen to the soil and increase the vigor of the Timothy. It may also be sown with grains as a nurse crop. The soil must be well pulverized and the seed slightly covered. Do not cut too early or pasture too late in the fall after the hay is cut. Timothy produces 1½ to 3 tons of hay per acre and should be cut at flowering time. Sow 15 to 20 pounds per acre alone; with Clover, 10 to 12 pounds per acre. Price: Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

KENTUCKY BLUE GRASS

This famous grass does well almost everywhere on soil that is fairly rich, moist and moderately well drained. For best results, there should be lime present in the soil. Kentucky Blue Grass will last for many years as the plants spread from underground roots and it rarely needs reseeding. Blue Grass is the best of all grasses for lawns, golf courses and parks. When sown alone use 35 to 40 pounds per acre. Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

For larger quantities see Blue Figure Price List.

BROMUS INERMIS

Bromus is a vigorous, hardy perennial with strong, creeping roots. It makes excellent hay and pasture on poor, dry soil or on moist, low ground that is flooded at times. It may be sown on hillsides, terraces and levees to keep the soil from being washed away. It makes an early growth, two to three weeks before any other grass, and remains green until November. It will stand close cropping.

It grows 3 to 4 feet high, yielding large crops of palatable hay, 2 to 4 tons per acre. Cut for hay when in full bloom. It is also a profitable seed crop.

Sow at the rate of 20 to 25 pounds per acre with one-half the usual quantity of small grain. Price: Lb. 35c, 5 lbs. \$1.40, postpaid.

For larger quantities see Blue Figure Price List.



After Harvesting Reed Canary Seed, a Hay Crop Can Be Cut Immediately.

The Peat and Swamp Land Wonder Grass

How To Grow the Crop

Prepare a good seed bed. Fall plowing allows early spring seeding. The seed will germinate in water, but if covered by soil underneath the water, it will not grow until the water is drained off.

Reed Canary Grass responds readily to planting with a companion crop such as Flax, small grains, Timothy or Bromus. A companion crop will hold the weeds in check and will shade the ground, keeping it from drying out so quickly. Thus, the Reed Canary Seedlings, which grow slowly until fully established, are protected. After Reed Canary Grass is past the seedling stage it grows very rapidly, crowding out all other grasses and weeds.

REED CANARY

(Phalaris arundinacea)

Reed Canary Grass has reclaimed many worthless swamps and is making real profits for hundreds of farmers. It is especially adapted to boggy soils, swamps and marshes.

Reed Canary is not a new grass, but has been grown in Central Minnesota for about 30 years.

Four to Six Tons of Hay Per Acre

Such yields are not unusual. The hay has high feeding value and is eagerly consumed by all livestock. One acre will pasture three to four dairy cows throughout the season. The great demand for Reed Canary Grass Seed also is a source of a fine profit.

A Hardy Perennial Grass

Reed Canary Grass is a perennial and will thrive until broken up. The plants are cold resistant—both as seedlings and in the mature stages. It is not a dangerous grass like Quack, but can be easily controlled by plowing. This grass grows rapidly, beginning early in the spring. The heads appear about the first week in June and are ripe about four weeks later. Leaves are broad, light green in color, and the plants often grow five to six feet in height. The underground stems rapidly form a tough sod that will hold up hay-making machinery.

Reed Canary Grass will produce an abundance of pasture from early spring until fall. It should be kept grazed very close except in the fall. For hay, cut when the heads begin to appear as the grass contains the highest feeding value and is finest at this stage.

Rate of Seeding

Sow any one of the following companion crops with Reed Canary Grass: flax at the rate of 35 to 42 lbs. per acre—small grains at one-half the regular rate. Timothy or Bromus broadcast at the rate of 4 to 5 lbs. per acre.

Sow the seed in the spring as early as possible so that the seedlings may become well established before the weeds begin to grow. On very weedy land, seed late in June or early in July, discing your land up to this time in order to kill the weeds. Seed in August or in October if there is any difficulty in getting onto your land in the spring. The seed should be sown at the following rate—broadcast, 5 to 6 lbs. per acre; drilled, 2 to 3 lbs. per acre in 16 to 18-inch rows. Use a packer on peat after seeding. Price: See Blue Figure List. Lb. 40c, 10 lbs. \$3.75, ppd.

RED TOP

A hardy perennial grass found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 feet high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. It is best grown with other grasses and clover. Price: Lb. 30c, 5 lbs. \$1.30, postpaid.

For larger quantities see Blue Figure Price List.

DOMESTIC RYE GRASS

This grass is well adapted for pastures, meadows and lawn, as it endures close cropping and makes a dense, leafy undergrowth. It thrives almost everywhere but grows best in moist moderately rich soil. Sow 20 to 30 pounds per acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

For larger quantities see Blue Figure Price List.

MEADOW FESCUE

This hardy western grass stands more abuse than Timothy and other grasses and will stand close cropping, drought and unfavorable soil conditions. Meadow Fescue grows two to three feet high and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre. Price: Lb. 35c, 5 lbs. \$1.40, postpaid.

For larger quantities see Blue Figure Price List.

CREEPING BENT GRASS

This grass makes a fine, dense, firm turf which withstands hard usage; it is ideal for lawns, terraces, and putting greens on golf courses because it makes a compact sod due to its spreading habit. It makes rapid growth in a year, crowding out other grasses. Our seed is true to name and of finest quality. Sow 3 to 4 pounds per 1,000 square feet. Price: Lb. 75c, 5 lbs. \$3.50, postpaid.

F. S. & Ny. Co.

"We have sent our orders to your company for over twenty-two years, so should know something about your seeds and nursery stock. There is not a tree in our orchard that we did not get from you, as well as our gooseberries, currants, grapes and raspberries. We get as high as \$10.00 from the sale of the fruit of two Compass cherry trees."

Mrs. Chas. Kipta, Browerville, Minn.

SEE BLUE FIGURE PRICE LIST FOR QUANTITY PRICES.

Reed Canary Meadows Produce Low Cost Livestock and a Cash Seed Crop Besides



HARDY NORTHERN GROWN ALFALFA



The production of hardy, northern grown Alfalfa Seed is again below normal. It is estimated to be 17% less than the 1937 crop, and the same percentage below the five-year average.

We strongly urge our farmer friends to buy their seed early, and plant only hardy Alfalfas and Grasses which the Experiment Stations have recommended for their localities.

THIS TAG ON EVERY BAG FOR YOUR PROTECTION

We strongly emphasize the importance of knowing where your Alfalfa and other Grass Seeds were grown. Cheaper, unadapted seeds should be avoided because they are more expensive in the long run, and not sufficiently hardy to withstand the northern winters.

Alfalfa Seed obtained from growers or shippers should be identified by the verified origin tags—this is your protection against mixtures, blends and unadapted seed.

The U. S. Seed Verification Service gives to the buyer of

GRIMM ALFALFA

Grimm Alfalfa was introduced by Wendelin Grimm in Carver County, Minnesota. It is a very hardy, time-tried variety, and has been tested thoroughly throughout the United States, in many foreign countries and Canada. It has many lateral or branching roots which are not found in common Alfalfas, and has large spreading crowns. It appears to grow better where there is a hardpan sub-soil to contend with than many other varieties. The root system undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than varieties having only a single taproot. The blossoms are variegated from white and yellow to deep purple.

Grimm Alfalfa produced in Minnesota, the Dakotas, Montana and Idaho, is known to be very hardy. Our Minnesota Grimm is produced largely in Lake of the Woods County, near the Canadian Border. Montana or Idaho Grimm is grown in the dry-land areas and is able to withstand severe drought as well as cold. Therefore, the strains of the Grimm Alfalfa that we offer, will give you complete satisfaction. **Price: Lb. 50c, postpaid. See Blue Figure Price List for Larger Quantities.**

Common Alfalfa DAKOTA NO. 12

This is the most commonly grown variety of Dry Land Alfalfa since it has given the best of results on all types of soil and under all climatic conditions. Our seed stocks come from fields that have been in Alfalfa many years and the plants which endure the extremes of hot summers and severe winters and dry, high altitudes are thoroughly hardy. Only a fair crop of seed of this variety was harvested because of the dry season and consequently, there will not be an oversupply. As Dakota No. 12 is always in great demand, we suggest placing your orders as early as possible. The performance of this variety has made it extremely popular in southern Minnesota, Iowa, Illinois, and other states in the mid-west and east. **Price: Lb. 45c, postpaid. See Blue Figure Price List.**

MINNESOTA COMMON

This strain resembles Dakota No. 12. It is very hardy and produces large yields of quality hay. The climatic conditions under which it is grown are as severe as any found in this country and consequently only those plants that are hardy have been able to survive. We offer you seed from fields that have been established for many years and we can recommend this variety for Northern climates. **Price: 45c per lb., postpaid. See Blue Figure List for quantity prices.**

Alfalfa Seed proper assurance that such seed was produced where stated, and the verified origin seed certificate is attached to same.

As Verified Origin Seedsmen, any Alfalfas that we send you will be sealed and tagged, either with U. S. Verified Origin Certificates, or with certificate seal from the state in which it was grown. So be sure to look for verified origin tags whenever you buy Alfalfa Seed.

We offer State Registered and Sealed Grimm Alfalfa in quantities of 30 pounds or more. We also offer Minnesota Grown Variegated Alfalfa, having all of the characteristics of the Grimm strain, but from fields that have not been registered—therefore cannot qualify as Grimm. However, this seed is in every way dependable and will produce hay crops equal to the best registered Grimm and at a great saving in price. See Blue Figure List for quotations.

LADAK ALFALFA—Wilt and Drought Resistant

Introduced in the U. S. in 1910 from the mountain regions of northern India by the U. S. Department of Agriculture. It was planted at Havre, Montana, in 1916 and showed no winterkilling for more than ten years. When it was distributed in small quantities, Ladak immediately proved so outstanding that its rapid distribution was assured. Other varieties of Alfalfa could not compete with it for winter hardiness.

Ladak is highly resistant to the wilt disease which has been causing such great losses in the hay-producing sections. It produces a larger first cutting than any other Alfalfa and this means a larger tonnage per acre under all conditions.

It is particularly well adapted to regions where only one or two crops are produced each year because of short growing seasons or where hot, dry summers prevail. Ladak continues to grow and produces a good crop of hay when other varieties are practically at a standstill. The hay is very leafy and of high feeding value and is of exceptionally high quality.

Ladak has a large branching root system similar to that of Grimm or Cossack.

Price: Lb. 60c, 5 lbs. \$2.75, postpaid. For larger quantities see Blue Figure Price List. Write for special free circular on Ladak Alfalfa.

COSSACK ALFALFA

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, under observance for five years in Russia, during which time not a single plant winterkilled, was proven to be absolutely hardy.

In recent years, the demand for Cossack has been increasing and there never has been sufficient seed to take care of all requirements.

Cossack Alfalfa produces a somewhat finer hay than many of the other varieties and is equally as hardy as Grimm.

Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. We advise sowing 15 lbs. per acre. **Price: Per lb. 50c, postpaid. See Blue Figure Price List.**

VARIEGATED ALFALFA

From Old Time Unregistered Grimm Fields

Equal to Registered Grimm for hardiness and hay production, and at a great saving in price.

Variegated Alfalfa is of a type very similar to Grimm, with blossoms having a color range of white, yellow and purple. It is considered of the same origin as Grimm but no definite records have been kept, and the fields therefore cannot qualify for registration. It has shown itself to be completely hardy in the most severe climates of Minnesota, Dakotas and Montana, and can be recommended as being very desirable for seeding in any part of the northern United States, where winter hardiness is essential. **Lb. 45c, postpaid. See Blue Figure Price List.**

F. S. & N. Co.

The performance of Ladak Alfalfa, both in hay and seed and its style of establishing itself, make it an outstanding plant.

Its evenness as to size and stand, vigor and sturdiness of the plant, the uniformity in its bloom and ripening in seed, ability to stand up without lodging and yet having stems that are fine and carry lots of leaves—these are all good points.

*Carl Opsata,
Bemidji, Minn.*



Carl Opsata in a field of Ladak Alfalfa. (See testimonial.)

Get Your Share of 1939 Cash Benefits from the New Soil Conservation Program

Extra Pay for Knowing What to Plant

The Agricultural Adjustment Administration has announced its 1939 Soil Conservation Program under which farmers can receive money from the government by carrying out approved farm practices.

The 1939 goal will be divided among various crops and then allotted to farmers. Growers may comply with, or ignore their allotments, but in order to be eligible for maximum subsidy payments, they must comply. In addition, they must plant land diverted from soil depleting

crops to those classed as soil building, such as Clovers, Alfalfas and other legumes and pasture crops.

This year Flax will not be treated as a soil depleting crop when used as a nurse crop for biennial or perennial legumes or perennial grasses.

Goals will be set for each farm before planting time next spring. Each farmer will have a soil depleting goal and a

soil building goal. Farmers will receive benefit payments and parity payments in 1939. They will also receive credit for conservation payments on their garden plots.

See your County Agent or County Agricultural Conservation Committee for full particulars.

In view of lower prices and increased demand, the supplies of hardy northern grown Clovers and Alfalfas may not be ample enough to supply the demand. Alfalfas especially will be in short supply. There is a great need for more acres of hay, pastures and soil building crops.

We advise placing your order early while stocks are available, and prices low.

A down payment of 25% of the amount of your order will hold the seed you want until planting time, when the balance may be paid.

MINNESOTA GROWN CLOVER SEED

Only Northern Grown Clovers can be depended upon for Hardiness

There is much complaint of worn-out soils, weeds and unprofitable crops coming from those who once secured bountiful yields and satisfactory profits when the land was new. Those who have used Clover regularly in the cropping system have no such complaints. Some kind of Clovers may be grown in practically every part of the United States. They have beneficial action on the soil and may be seeded with practically all kinds of grains. Clovers also serve as outstanding hay and pasture crops.

MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase the yield of succeeding crops, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed or turned under, to fertilize the soil.

Red Clover is a biennial which means that it will grow for two seasons only and then must be reseeded. It is adapted to any well drained soil free from acidity and is better for general northwest conditions than any other clover. It furnishes luxuriant pasture and hay for cattle but is not quite so good for horses.

Sow Red Clover at the rate of 10 lbs. per acre with small grain or flax. Use about one-half or two-thirds of a normal seeding of grain or flax so as not to smother the clover. We use a clover seed attachment to the grain drill, sowing the seed ahead of the drills and cover it lightly with a harrow. Price: Lb. 40c, postpaid. See Blue Figure Price List.

ALSIKE CLOVER

Alsike Clover has the same soil-building properties as Red Clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

Alsike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drought well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It makes very fine pasture, as it is extremely hardy.

The seed of Alsike is very fine, therefore, only 7 or 8 pounds per acre are required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

Alsike Clover has its place in the crop rotation the same as Red Clover and for best results is usually reseeded at the end of two years' growth. Price: Lb. 35c, postpaid. See Blue Figure Price List.

MAMMOTH RED CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fail. Yields again as much as Medium Red Clover, though the hay is rather coarse. Price: Lb. 40c, postpaid.

See Blue Figure Price List for Quotations on All Farm Seeds.

WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre. Price: Lb. 55c, 5 lbs. \$2.50, prepaid. See Blue Figure Price List.

F. S. & N. Co.

The Grimm Alfalfa, which I purchased from you and sowed last season, gave me the best stand of all the Alfalfa I seeded. I bought \$300.00 worth of seed from several different seed houses. We sow Alfalfa the latter part of August, but on account of the dry weather I did not sow until first of October. Your seed gave us the best stand and shows the most vigorous plants.—C. L. Jury, La Harpe, Kansas.



Hardy Grimm planted on the left; non-hardy seed was planted on the right.

TEST YOUR OWN SOIL WITH SOILTEX

Success with alfalfa, clover, sweet clover, soy beans, and other legumes, depends largely upon the condition of your soil. If it contains acid, you cannot expect a good stand. To correct acid soil condition, crushed lime rock may be spread on the land, at the rate of 1½ to 4 tons per acre.

SOILTEX enables you to determine if your soil needs lime, and how much. The test is very simple. A small quantity of soil is placed on waxed paper folded lengthwise, and the Soiltex solution dropped on one end of the soil until it is saturated. After standing a short time, the solution is drawn from the other end of the soil, and its color compared with the color chart, to determine the reaction and lime requirement. Directions with each outfit, and material for 100 tests.

SOILTEX outfits are being used in agricultural colleges, by county agents, farmers. Price: \$1.00, postpaid.



Don't Experiment with Cheap Seeds of Inferior Quality—Buy "Master Farmer"

Sweet Clover for Forage and Fertility



Free Sweet Clover Booklet with your order on request.

White Blossom

Tall Biennial Sweet Clover.

This makes the rankest, tallest growth of any clover, producing the biggest hay crops and most luxuriant pastures. Because of its dense growth and the great size of its root system, it is the best soil enricher and green fertilizer. It is the best crop to grow to prepare the ground for a stand of alfalfa.

The plant looks much like alfalfa, especially when young, but the leaves are not quite as smooth, and taste slightly bitter. It forms a main stem from which the side branches grow, while in alfalfa the crown sends up numerous shoots.

Our seed is of fine quality, free from foul weed seeds, and of highest germination. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

Yellow Blossom

Dwarf Biennial Sweet Clover.

This variety grows shorter and is finer and more spreading than the white. It makes a very fine quality hay and pasture. Yellow Blossom Sweet Clover is 10 to 15 days earlier in maturing its seed, and where seasons are very short or unfavorable, there is an advantage in sowing this strain.

It can be cut for hay very early, and close to the ground, whereas the white must be cut high. It is also excellent for bees, supplementing the use of the white variety, and extending the season, on account of its earliness. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

Grundy County

Dwarf Biennial Sweet Clover.

Grundy County Sweet Clover is preferred by many farmers since it does not grow quite as tall as the common White Blossom variety and it produces finer stems and a greater number of leaves, making it better adapted for hay purposes.

It matures earlier so that the hay crop can be cut before the small grain is harvested.

It produces a seed crop earlier than other varieties and this is an advantage in many localities that are subjected to early frosts. The hay cures more rapidly than the common tall variety and is very palatable.

Grundy County Sweet Clover makes an excellent pasture but it does not last as late in the season as the common tall variety. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

Hubam

Annual Sweet Clover.

Hubam is an emergency pasture and hay crop to be sown in seasons where drought, freezing injury or other adverse conditions have wiped out pastures and meadows, leaving the farmers without any definite hay prospects. Hubam is a rapid grower and once it is well established can be pastured as you would pasture the biennial varieties of Sweet Clover.

Hubam is an Annual Sweet Clover. It is best suited for the Corn Belt section. It grows from 3 to 7 ft. high. It will produce as much as 3 tons of hay per acre, cut just before blossoming time. It grows on any good non-acid soil, and should be sown alone the same rate as other sweet clovers. Hubam will produce a seed crop in this latitude, in favorable growing seasons. Price: Lb. 40c, 5 lbs. \$1.80, postpaid. See Blue Figure Price List.

Legume crops such as Sweet Clover will be in greater demand than ever before because of increased plantings for the maintenance of fertility under the U. S. Soil Conservation Program. Sweet Clover cannot be surpassed for soil improvement due to its rapidity of growth, large tonnage produced and its comparatively low seed cost.

Sweet Clover as a Hay or Pasture Crop

Sweet Clover is the leading crop in the United States. As a biennial legume, it fits in with any crop rotation, besides yielding a very large return of hay and pasture. Sweet Clover may grow one to three feet the first season and may be clipped for hay or pastured lightly if it makes a good growth. During the second year it grows very dense and rapidly and if cut for hay, it should be done early in the season, before the blossoms appear and the stems become woody.

Cut Sweet Clover six to eight inches above the ground. Allow the hay to wilt a few hours, then place in small cocks until it is dry enough to stack. One acre furnishes pasture for two to four cows throughout the season. Cattle rarely bloat on it.

As a Soil Builder and Weed Control

Sweet Clover grows on clay, sandy, alkaline, or gumbo soil. It prevents drifting of shifting sandy soils. The hardpan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc.

Use 15 lbs. of scarified seed per acre with a nurse crop of one-half the usual seeding of grain or 28 to 35 lbs. of flax per acre. Firm the seed bed well after planting. Inoculate with Nitragin.

Useful Information for Everyday Reference

Government Rule for Measuring Hay.

Multiply width by length by overthrow, divide by four. Result will be cubic feet in stack. Divide by 512. Answer will be tons.

To Measure Grain in Bins.

To find the number of bushels of grain in a bin, multiply the length by the width by the height, thus ascertaining the number of cubic feet, and deduct one-fifth. For instance, a bin containing 10 cubic feet will hold 8 bushels of grain, 8 being four-fifths of 10.

To Measure Ear Corn in Crib.

Ascertain the number of cubic feet and multiply by four, then divide by ten. Most corn in cribs is figured by this rule. However, if the cobs are well filled and the corn is sound and dry and well settled in the crib, divide by nine. If the cobs are not well filled, or if the corn is damp or of inferior quality, divide by eleven.

Weights of Various Farm Crops.

Hay, well settled, per cubic foot	4 1/2 lbs.
Corn, on Cob, in bin, per cubic foot	22 lbs.
Corn, Shelled, in bin, per cubic foot	45 lbs.
Wheat, in bin, per cubic foot	48 lbs.
Oats, in bin, per cubic foot	25 1/2 lbs.
Potatoes, in bin, per cubic foot	60 lbs.

Measure of Surface.

144 Square Inches	= 1 Square Foot
9 Square Feet	= 1 Square Yard
30 1/4 Square Yards	= 1 Square Rod, Perch or Pole
40 Square Rods	= 1 Square Rood
4 Square Roods	= 1 Square Acre
Gunter's Chain	= 22 Yards or 100 Links
10 Square Chains	= 1 Square Acre
640 Square Acres	= 1 Square Mile
272 1/4 Square Feet	= 1 Square Rod
43,560 Square Feet	= 1 Acre

Number of Trees or Plants Per Acre

Each Way	Each Way
2 ft. 10,790	12 ft. 302
3 ft. 4,850	15 ft. 194
4 ft. 2,723	18 ft. 135
5 ft. 1,742	20 ft. 110
6 ft. 1,210	24 ft. 71
8 ft. 680	32 ft. 40
10 ft. 430	

F. S. & N. Co.

"I have tried the Wis. 90 Day Master Hybrid Corn for two years, and I am very well pleased with it. It yielded over 50 bu. per acre, and I am also ordering some seed now for some of my neighbors that saw the corn matured in the field. This Hybrid Corn stands up so well it is better than a snow fence to keep the snow back off the road. I leave some of the stalks standing for that purpose along my road, and it works O. K."

M. W. Munger, Warren, Minn., R. 3



BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Make the most of your seed, soil and labor. Don't let legumes rob your soil—be sure they are soil builders.

Remember legumes NOT Inoculated are "SOIL ROBBERS" but legumes WELL Inoculated are "SOIL BUILDERS." Play safe!

INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist humus culture — tested and guaranteed — easy to apply — packed with Billions of fresh bacteria — the cheapest legume crop insurance money can buy. Directions on every can.

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS

Size	Retail
1/2 bu. ea.	\$.30
1 bu. ea.	.50
2 1/2 bu. ea.	1.00

PEAS (All Varieties)

Size	Retail
1/2 bu. ea.	\$.25
1 bu. ea.	.40
1 3/4 bu. ea.	.60
5 bu. ea.	1.70
12 1/2 bu. ea.	4.00

BEANS

String, Wax, Kidney

Size	Retail
1/2 bu. ea.	\$.25
1 bu. ea.	.40
5 bu. ea.	1.70

LESPEDEZA Hulled or Unhulled

Size	Retail
1 bu. ea.	\$.30
2 bu. ea.	.50
5 bu. ea.	1.00

SOYBEANS, LIMA BEANS, COW PEAS and PEANUTS

Size	Retail
1 bu. ea.	\$.30
2 bu. ea.	.50
5 bu. ea.	1.00
10 bu. ea.	1.60
25 bu. ea.	3.00

GARDEN SIZE

Garden Peas and Beans

Sweet Peas and Lupines
Enough for 4 lbs. seed
Retail Price 10c each.

NITRAGIN — Oldest and Most Widely Used Inoculator in America

Our Superior
Varieties Pay

Quality Seed Grain

Grow Only the
Best for Profit



Too much vegetative growth, with adverse weather conditions during ripening period brought leaf rust and scab resulting in a very inferior crop of small grain this year throughout the Northwest. Poor, shriveled grain of low quality and low in test weights is very common

this year.

The milling trade demands the production of more and better wheat. By using high quality, superior, rust resistant varieties which are recommended by the Experiment Stations, farmers may grow more wheat on fewer acres and thereby lower their unit cost of production. Farmers can thereby co-operate with the Agricultural Adjustment Administration and acres taken out of production can be planted to soil building crops thus obtaining cash benefits thru the Soil Conservation Program.

NEW DEVELOPMENTS IN GRAIN BREEDING

Thatcher Wheat has again proved its superiority in a year which has been characterized by adverse weather conditions. Our high quality seed stocks of small grains have been especially bred to meet adverse conditions as well as to



Rust resistance, high yielding ability, good milling qualities make Thatcher Wheat outstanding.

take advantage of good growing conditions. The supply of superior high quality seed grains is very scarce and we urge our patrons to order early.

A down payment will hold your order until the seed is wanted, when the balance can be sent.

Wheat Germ

The heart of the wheat is of great medicinal value—very rich in vitamins and minerals—high in protein and low in starch.

We offer Wheat Germ ready to eat—especially processed to prevent rancidity, and of delicious flavor. They keep you young and healthy. See page 76.

THATCHER WHEAT

Rust Resistant, Registered. A Triumph of the Minnesota Experiment Station.

The newest wheat variety, Thatcher, is very rust resistant. It is beardless, very similar to Marquis, early maturing, very stiff strawed, standing up well on rich soil. Under normal conditions it yields 4 to 5 bushels more per acre than other spring wheat varieties and under conditions of rust and drought, it has yielded as high as 20 to 25 bushels more per acre.

Tests made by the Minnesota Experiment Station and by millers show that Thatcher is equal to Marquis in milling and baking qualities.

Thatcher proved its superiority over rust susceptible varieties during 1935 when the most severe epidemic of black stem rust destroyed wheat fields or left only shriveled grain. Thatcher being resistant produced a crop of good wheat having a greater value per acre than a normal crop under normal prices. Few growers thought of rust before 1935, for no severe epidemic had broken out for years. No one can tell when another will occur, so why take a chance and grow wheat that may be destroyed by rust at any time.

Since the bad rust epidemic of 1935 and the rust and drought damage in 1936, farmers everywhere turned to Thatcher Wheat. There was not enough to supply the demand in 1937, but those growers who had this wheat produced a profitable crop and in 1938 it became the recognized leader of all spring wheat varieties.

For Prices: See Blue Figure Price List.

F. S. & N. Co.

"This year we sowed 5 acres of Thatcher Wheat and got 110 bu. even with only a half stand due to a wet spring and there was no rust in it. A man near Aurora sowed 36 bu. on high ground and got 720 bu. from 15 acres, weighing 59½ lbs. to the bu. It's the most wonderful wheat we ever saw. All the other spring wheat around here went 8 bu. to the acre—not fit for milling, only chicken feed."

Pahnke Bros.,
West Chicago, Ill., R. 2, Box 132

November 28, 1938

F. S. & N. Co.

"I will write you that I don't feel sorry that I bought Hybrid Seed Corn last spring for we had so much rain—worked my field 3 times but could not plant because it was too wet. Finally on the 4th of June I planted corn. It grew fine and then we got wind on the 9th of July and it was flat as a board. I felt that was the end of it—but it raised up well. Then the dry weather came but the late fall was ideal and corn was ripe first part of September and of good quality. It averaged 65-70 bushels to the acre. Our own corn planted the same day was all nubbins and was broken down—but 301 stood up well."

Herman Dobberstein,
Sleepy Eye, Minn.

MINTURKI WINTER WHEAT

Minturki is the outstanding hardy winter wheat. It is a high yielding bearded hard red winter variety of high milling and baking quality and good protein content. It is stiff strawed and stands up well on rich land.

For Prices: See Blue Figure Price List.

SPRING RYE

Spring Rye should be sown more extensively. It is a great land cleaner, and for summer pasture, is much superior to winter rye. It can be grown on light and sandy soil, on land too poor for wheat, and does equally well on acid and non-acid soils.

For Prices: See Blue Figure Price List.

ROSEN WINTER RYE

Rosen is the leading winter variety and was developed at the Michigan Experiment Station by selection from a sample of rye obtained from Russia. It became popular because of its excellent yielding ability and milling qualities which are the finest. It produces large well-filled heads and large dark green kernels.

Rosen Rye is more hardy than the hardest Winter Wheat. The straw is medium tall and stiff, which keeps the grain from being easily lodged. The variety has produced as much as 40 to 50 bushels per acre. Winter Rye may be seeded in the spring if temporary pasture is needed.

For Prices: See Blue Figure Price List.

Treat Seed Grains to Prevent Smut



All seed grains including wheat, barley, oats, rye and sorghum are susceptible to smuts of various kinds which reduce the yields from 10% to 50% in many instances. Some varieties are attacked more vigorously than others, but no matter how susceptible the variety may be to smut, it can be controlled almost entirely by simple methods. Formaldehyde and Copper-carbonate have been used extensively in the past for treating smut in grains, with only fair to good results.

The Best Treatment To Use Is New Improved Ceresan

New improved Ceresan is a dust treatment—no wet, swollen grain to handle. It may be applied with a regular seed

treating machine or with a scoop shovel. A measuring spoon will be found in each can.

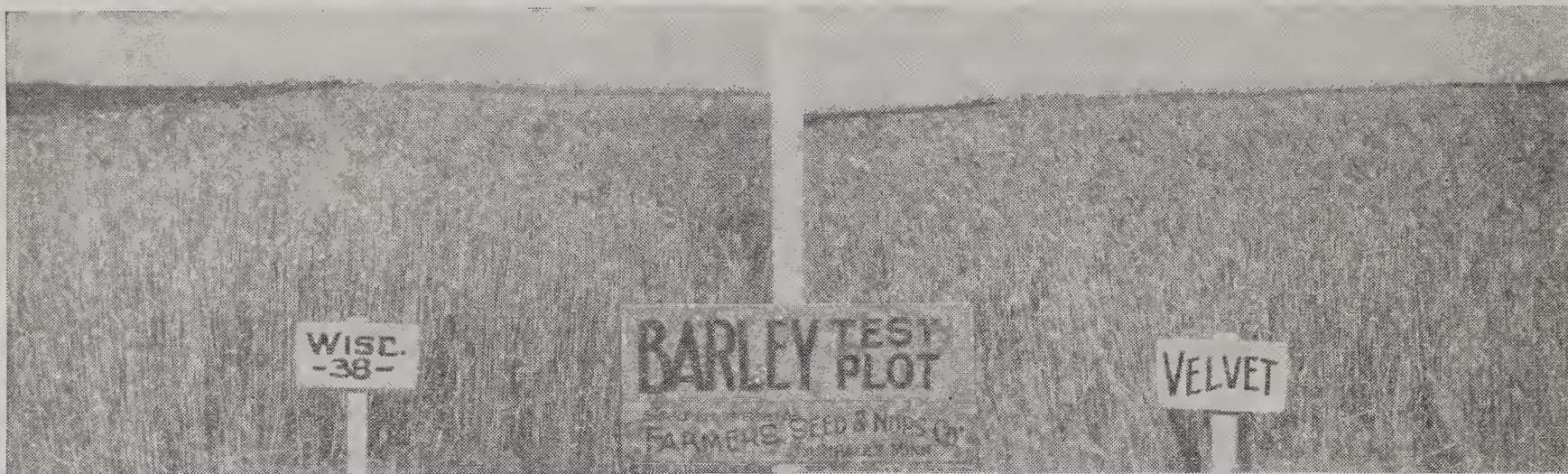
The grain produced has a higher market value because it is free from smut. Only one-half ounce of New Improved Ceresan is needed per bu. of seed. It is quickly and easily applied as a dust by use of a rotary seed treating machine or by the shovel method. After treating, the seed should be stored in a pile or in sacks for 24 hours before planting.

New Improved Ceresan controls stinking smut of wheat, loose and covered smut of oats, black loose smut and stripe in barley. Ceresan is inexpensive, costing only about 2c per bu. of seed. This is the lowest cost of any seed treatment on the market. By using New Improved Ceresan you may increase the yield of grain by 10% to 20% or more.

Price of Ceresan: 1-lb. tin 80c postpaid; not prepaid, 5-lb. tin \$3.00. Ask for circular giving full details about Ceresan.

Good Seed Grains, When Treated with Ceresan, Produce Larger Yields

NORTHERN GROWN SEED BARLEY



Trials in Brule County, S. D., by County Agent Schultz gave Velvet and Wis. 38 a decided boost.

Quality Seed Barley Pays

W. W. Brookins, Assistant Extension Agronomist of the University of Minnesota, has conducted barley institutes throughout the country and has done some outstanding work in developing higher quality barley for malting purposes.

Good malting barley must be mellow and not hard or flinty. The seed must be plump, well matured, uniform in size and of a bright, creamy ripe color. Barley which contains mixtures of oats, wheat and other varieties of barley or other materials difficult to remove, cannot qualify as malting barley. The seed must be free from blight, scab and ergot as well as badly weathered kernels. Damage in harvesting, threshing and storing the crop may result in broken skinned or heat damaged kernels.

WISCONSIN PEDIGREE NO. 38 BARLEY—Registered

This variety was developed by the Wisconsin Experiment Station by crossing a black smooth-bearded barley with Oderbrucker which is a standard whitekerneled variety. They succeeded in obtaining a number of strains from this cross that were smooth-bearded with white heads and from these strains careful selections were made for size of heads and kernels, resistance to disease, stiffness of straw and yielding ability.

WISCONSIN PEDIGREE NO. 38 BARBLESS BARLEY HAS THE FOLLOWING OUTSTANDING CHARACTERISTICS:

First—Smooth-bearded. This feature makes the barley very easy to handle and because of this, it has stimulated production of barley to a great extent.

Second—Resistance to hot weather. This barley appears able to withstand a greater degree of heat than many other varieties of barley which are now being grown. It matures a few days later than Glabron and Velvet; but with its resistance to hot weather and long, stiff straw, it is able to stand up and develop larger kernels than some of the earlier varieties.

Third—Yields heavily. Wisconsin No. 38 Barbless Barley has shown its ability to outyield other varieties and has produced as high as 70 bushels or more per acre. In Wisconsin tests, this variety has always outyielded any of the common barley grown in comparison with it.

Fourth—Finest for malting. Wisconsin No. 38 Barbless Barley is greatly desired by the manufacturers of malt and will command a premium over many other varieties on the market. See Blue Figure Price List.

From the Neighborhood of the National Husking Contest!

F. S. & N. Co. December 30, 1938

This order for thirty-two bushels of your Wisconsin 100 Day Master Hybrid Corn is a result of the planting of six bushels of this corn last year. It proved best adapted to this locality of any Hybrid Corn planted around here last year. It eared well even on high ground, stood up good, and matured early enough so that the hot weather did not hurt it. Yielded about one-third more than my native corn, and I say, thanks to a reliable seed company.

John Merry, Dell Rapids, S. D.

Treat Seed Barley with Ceresan

Use this dust treatment on seed to reduce seed-borne diseases, step-up your yield, increase your profit. Experiment Station tests by most important grain states prove its power against covered smut, black loose smut and stripe. Average yield increase in tests, 6%. May be applied as long as 3 months before sowing. Easy to use, inexpensive, doesn't damage drill or retard drilling rate. Use it this year, not only on barley but also on wheat and oats. One pound treats 32 bu. Price: 1 lb., 80c, postpaid; not prepaid 5 lbs. \$3.00. Free pamphlet. May be mailed. See page 63.

PEATLAND BARLEY

A rough-awned barley, well adapted to peat soils and yielding well on mineral soils and land that is too rich to grow other barley varieties. It is particularly adapted to northern Minnesota, especially the regions around Grand Rapids.

Classified as a satisfactory malting barley, Peatland is highly resistant to scab and may be grown in regions where scab is a serious problem and produce a good malting barley. It is resistant also to spot blotch and stem rust diseases, but is susceptible to stripe disease which may be controlled by treating with Ceresan.

For Prices see Blue Figure Price List.

VELVET BARLEY

Minnesota No. 447—Registered

The demand for Velvet Barley has been steadily increasing each year since its introduction. If you have not tried this outstanding variety, we suggest that you get started with it this year, for it is one of the best smooth-bearded varieties now being grown.

Velvet originated from a cross between Luth, a rough-awned, six-rowed barley of the Manchurian type and a smooth-awned variety. It is a most excellent yielder, producing as much grain as Manchuria. The straw is quite stiff, the lodging percentage being no greater than that of other stiff-strawed varieties. Velvet appears to be more disease resistant than other varieties. With its smooth beards or awns, Velvet has a very distinct advantage over the rough-awned types since it has no barb that will stick in the clothing or get into the flesh. Therefore, it can be handled much more easily.

Velvet is in great demand by the manufacturers of malt and there is every indication that the limited supply of this variety will be quickly exhausted before planting time.

Once you try Velvet or other smooth-bearded varieties, you will not want to change back to the rough types. We offer Velvet Barley Seed, registered by the Minnesota Crop Improvement Association which gives you assurance of obtaining the true variety of the very highest purity. See Blue Figure Price List.

BUCKWHEAT

An excellent catch crop, which may be sown after harvesting winter wheat or rye or on newly broken ground. Its greatest value lies in the fact that it is the best and surest means of getting rid of quack grass.

JAPANESE—Largekerneled, dark brown and early. It is very productive, and an excellent feed for cattle and hogs. Sow from June 1 to July 1, 3 pecks to the acre.

SILVER HULL—A thin shelled buckwheat, with silvery grey kernels of medium size, very sound. Silver Hull is a prolific grower and heavy yielder, and makes fine buckwheat flour. Excellent for bees.

See Blue Figure Price List.

SPELTZ or EMMER

A valuable grain belonging to the wheat family. Kernels are tightly enclosed in hulls which adhere at threshing. Speltz has a feeding value equal to oats, and only slightly less than barley and corn. It is extremely rust resistant, and will not lodge like other grains, because of its stiff heavy straw. Speltz can be grown on many kinds of soil, rich or poor, throughout Minnesota, Iowa, Wisconsin, and the Dakotas.

Speltz makes wonderful feed and is especially fine for hogs and poultry. Sow 1½-2 bushels per acre, adjusting the drill the same as for oats.

Early Varieties

GOPHER OATS

Minnesota No. 674—Registered

Gopher is a white, early maturing variety with straw so stiff and strong that it does not lodge even on well-manured farm land. It is also adapted for growing on peat land. It is without any question the best oats for the rich dairy farms of southern Minnesota, Iowa and Wisconsin and unequalled for sowing with clover and alfalfa as a nurse crop.

This variety was developed by the Minnesota Experiment Station and has become widespread throughout the Northwest. Excellent reports, not only from Minnesota but from North and South Dakota, Wisconsin and Iowa, show that Gopher is still leading in yield, earliness and stiffness of straw.

The oat crop in many sections was very light, having been damaged by adverse weather conditions and the demand for seed will be quite great. Our stocks of high quality certified seed oats are reasonably large, especially the Gopher variety but with the strong demand may not last long. For Prices: See Blue Figure Price List.

IOGOLD OATS

Rust Resistant—Registered

The necessary requirements for any variety of grain are yield, stiffness of straw (resistance to lodging), rust resistance and early maturity. Iogold Oats includes all of these which makes it such an outstanding variety. We have only a fair supply of high quality seed.

Iogold Oats produces heads that are spreading, erect, cream colored and very uniform. The kernels are golden yellow and larger than Iowa No. 105. The straw is coarser than Kherson and is stiffer than any other variety produced by the Iowa Experiment Station. The plants grow about three inches taller than Iowa No. 105 and ripen about the same time.

For Prices: See Blue Figure Price List.

IOWA NO. 105 OATS

This variety was produced at the Iowa Agricultural College, at Ames, Iowa. It is very early, fine to use as a nurse crop, and is a heavy yielder.

The kernels are of medium size, light yellow, plump and heavy. The oats grow about 4 inches taller than Kherson, with stiff straw that holds up its heavy load of plump grain well. It will grow without lodging, on heavy bottom land where it is impossible to grow many other varieties. For Prices: See Blue Figure Price List.

EARLY KHERSON OATS

One of the earliest oats in cultivation. It was introduced by the Experiment Station of Nebraska, and has proved a success in that state, being naturally adapted to sections that are subject to drought. It is a vigorous but not rank grower, producing shorter straw than other varieties, with branching heads and very broad leaves. The kernels are light yellow in color, small, but numerous, and have a very thin hull. For Prices: See Blue Figure Price List.

Treat Your Seed Oats for Smut Control and Bigger Yields

To control destructive smuts, improve your oats stand and produce a bigger, cleaner yield—invest 5c an acre in New Improved Ceresan seed treatment. Besides giving excellent control of smut, this easy dust treatment in actual three-year tests increased the average oats yield 18%. Recommended by many State Colleges. May be applied as long as 3 months before sowing. No dust in drilling, no drill damage, no change in drilling rate. Same treatment may be used on wheat and barley. One pound treats 32 bushels. Prices: 1 lb. 80c, prepaid. Not prepaid, 5 lbs. \$3.00. Free pamphlet. May be mailed. See page 63.



Note the Fine Stand and Stiff Straw in this Minrus Oat Field.

Wheat and Oats

A Profitable Combination Crop

A profitable practice is to grow oats and wheat in combination. Yields of 50 to 60 bu. of oats and 20 to 30 bu. of wheat per acre have been reported. A combination crop returns more profit per acre than either wheat or oats separately. Use 1½ bu. of oats and ¾ bu. of wheat per acre. Thatcher and Hope grown with Minrus or Anthony Oats give the best results as they ripen about the same time. Other good combination crops are barley with early oats, wheat with flax.

Midseason and Late Varieties MINRUS OATS

Rust Resistant—Registered

Minrus matures about half way between Gopher and Anthony; produces white glumes and has a spreading panicle. It is about equal in height and stiffness of straw to Anthony and is highly resistant to black stem rust. It was produced by the Minnesota Experiment Station from a cross of Minota and White Russian.

Observations to date indicate that Minrus will outyield Gopher Oats on any ground except the very richest. Gopher Oats should be used on the rich soils as it is more able to resist lodging under those conditions. Minrus should be very popular on lighter soils where Gopher Oats does not get tall enough to handle well.

Minrus may be grown with varieties of spring wheat as succotash as it is a few days later than Gopher. Minrus has already met with great favor wherever tried. For prices, see Blue Figure List.

ANTHONY OATS

Registered

Anthony Rust Resistant Oats (Minnesota No. 686) is a new variety produced from a cross of White Russian (White Tartar) and Victory, it is a midseason type maturing about two weeks later than Gopher or Iogold and has a spreading panicle. The straw is about equal in length to Victory and is very strong. Anthony is well adapted to all types of soils but does especially well on those soils that are only moderately fertile.

It is very highly resistant to black stem rust and produces large yields while other midseason varieties, not resistant to rust, break over and yield poorly. Anthony excels in weight per bushel and yield.

Wherever it has been grown it met with instant favor and we especially recommend it for those sections where the early varieties do not seem to give the very best results. For prices, see Blue Figure List.



Iogold—Early, Rust Resistant, High Yielding.

December 9, 1933.

F. S. & N. Co.

My Minhybrid 301 and Minhybrid 401 Hybrid Corn which I got from you last year produced a real crop. It was a wonderful stand and a pleasure to work with the corn from cutting till the last bundle was through the shredder. I also husked several acres by hand.

I lose no time in recommending this corn to my neighbors. I know that when new things are found out about corn breeding, Farmer Seed & Nursery Co. will be among the first to offer them.

Ervin I. Beseke, Arlington, Minn.

MASTER HYBRID CORN

WHY PLANT HYBRID CORN?

- Stiff stalks—large roots—hold it straight in wind or hail—thus easier picking by hand or machine.
- A vigorous grower under good or poor soil and weather conditions.
- It yields 10 to 20 bushels MORE per acre.
- Stalks stay green after corn is ripe.
- You can grow more and better corn on fewer acres.

MASTER HYBRID SEED CORN IS:

- State Registered and State Sealed.
- Treated with Barbak.
- Minnesota Grown—for Northern Farmers.
- Recommended by Experiment Stations.
- Adapted to your section.
- Produced by Reliable Growers.
- Priced "direct-to-you"—no agent's profit added.

MINNESOTA GROWN MASTER HYBRID SEED CORN

State Sealed and Registered—See Blue Figure Price List.

Master Hybrid Seed Corn comes packed in State Sealed Bags and is already treated with Barbak, the dependable seed corn treatment. Germination guaranteed 90% or better (State Laboratory tests show 95% to 98%).

See Blue Figure Price List for quotations, and ORDER EARLY!—our Registered Seed Stocks are insufficient to supply the demand. A down payment of 25% or more will hold your order until March 15th. Our free Hybrid Corn Booklet tells all about Hybrids—and what varieties you should grow in your section. Write for it.

Numbers of days until maturity are given here merely to show relative earliness. Actual time required to mature any one variety may vary because of weather, soil conditions, etc.

Minnesota Hybrids

Developed by the Minnesota Experiment Station

Minhybrid No. 301—(105 to 110 DAYS)

A popular yellow hybrid developed by crossing an early Minnesota No. 13 single cross with Reid's Yellow Dent. It matures about the same time as Golden Jewel, Silver King and Minnesota Ideal and is adapted to southern Minnesota and Wisconsin, northern Iowa, southern South Dakota, and similar localities.

It has a very stiff stalk and strong root system. It grows tall, producing large, well filled ears. The stalks remain green after the corn is ripe.

Minhybrid No. 301 will produce 10 to 15 more bushels per acre than open pollinated kinds.

Minhybrid No. 401—(95 to 100 DAYS)

Developed from a cross between Early Minnesota No. 13, yellow and Rustler White Dent. Medium in height, leafy, producing a good sized ear of mixed yellow and white color. Yields have averaged 20% more than open pollinated kinds of the same maturity. It ripens in 95 to 100 days and is adapted to central parts of Minnesota, Wisconsin and South Dakota and may be grown farther south where early ripe corn is desired.

Minhybrid No. 402—(85 to 90 DAYS)

An extra early hybrid of mixed yellow and white color developed from the same parent varieties as Minhybrid No. 401, the plants being slightly smaller and about five days earlier in maturity. The yield is about the same as Minhybrid No. 401, being 15% to 20% higher than open pollinated corn. It is adapted to north central Minnesota, Wisconsin, northern South Dakota and southern North Dakota.

Minhybrid No. 403—(105 to 110 DAYS)

This latest development of the Minn. Experiment Station, is the result of combining two early maturing inbred lines from Minnesota 13 with two late inbred lines from Reid's Yellow Dent.

It matures about the same time as Golden Jewel, Early Murdock, Silver King, and Minhybrid 301, and is adapted to southern Minnesota and Wisconsin, northern Iowa and southern South Dakota and similar territories. This pure yellow hybrid has very fine standing ability and will outyield open pollinated kinds by 10% to 20%. It produces a long, smooth dent, 16 to 20-rowed ear of very high quality grain. The stalks tend to remain green long after the ear is ripe, and the plant shows marked resistance to smut.

See Blue Figure Price List.

Master Hybrid No. 2 (110 Days)

Originated by Our Own Corn Breeder

A yellow hybrid of Golden Jewel and Reid's Yellow Dent parentage. High yielding and resistant to disease, it has a 16 to 20 rowed ear with deep kernels. Very strong root system. Matures with Murdock; stalks remain green after the ears are ripe. Adapted to southern Minnesota, Wisconsin, South Dakota and northern Iowa.

See Blue Figure Price List.



Our president, E. J. Kiekenapp, with Clem Paul inspecting a field of Minhybrid 301 at the Paul farm near Easton, Minn.

You've Had a Lucky Year—! Don't Gamble in 1939

The 1938 Corn Crop finished on "borrowed time," and hundreds of farmers can thank their "lucky stars" for a mature crop! Getting off to a late start, a September frost would have ruined this crop. Many bought hybrids not safe for their section. Don't gamble—plant Minnesota-grown Master Hybrids, adapted to your section.



H. H. Keeler is proud of his field of Wisconsin 90-Day Master Hybrid near Grand Rapids, Minn.

STATE SEALED AND REGISTERED

NORTHERN HYBRIDS For NORTHERN FARMERS

LOWEST *Direct-to-You* PRICES NO AGENTS



For Prices See Blue Figure List.

EVERY BAG EXPERTLY GRADED—TREATED—REGISTERED—SEALED

Wisconsin Hybrids

Developed by the Wisconsin Experiment Station

Wisconsin 85 Day Hybrid

A new all-yellow hybrid of exceptionally early maturity. Adapted to central and western North Dakota, northern Minnesota and northern Wisconsin. Also a splendid variety for early hogging off in more southern sections. It matures about the same time as Wis. 25 and Hancey's Minn. 13. Has all the Hybrid advantages such as increased yield, greater standing ability, and stalks that stay green after corn is ripe.

Wisconsin 90 Day Hybrid

Gives very fine results in northern Minnesota and Wisconsin and North Dakota. It also may be grown in central Minnesota and Wisconsin where an early maturing variety is desired. Very high yielding and superior to ordinary corn. It produces a sturdy medium-sized plant carrying ears well filled with pure yellow kernels.

Wisconsin 95 Day Hybrid

Adapted to central and north central Wisconsin and Minnesota, northern South Dakota and the southern part of North Dakota. This early yellow variety has produced as high as 80 bushels per acre. Ideal for main crop in northern and central sections, and for early hogging off in southern sections.

Wisconsin 100 Day Hybrid

A yellow hybrid adapted to central Wisconsin, central Minnesota and South Dakota and outyields Central Minnesota No. 13, Early Golden Glow, Rustler White Dent and other similar varieties. In those sections where Minhybrid No. 301 seems late, the Wisconsin 100-Day Hybrid should be very satisfactory.

Wisconsin 105 Day Hybrid

May be grown in south central Wisconsin, southern Minnesota and in the southern part of South Dakota. This pure yellow hybrid ripens a little earlier than Minhybrid No. 301. It yields well, resists lodging, and matures evenly.

Wisconsin 110 Day Hybrid

A fine yellow hybrid for southern parts of Minnesota, Wisconsin, South Dakota and northern parts of Iowa, Illinois and Nebraska. It is just a few days later than Minhybrid No. 301. It has remarkable standing ability, is very uniform and extra high yielding.

See Blue Figure Price List.

In Producing Master Hybrids, every step is double checked



A detasseler on the job. He knows his work will be inspected by our crew foreman AND by STATE INSPECTORS!

Some of our detasseling crews ready to leave for the fields.



In making Master Hybrid Seed Corn, every operation is "double checked." Thorough isolation of the fields, careful detasseling, proper drying, accurate grading and testing for germination and moisture content, is not only critically inspected by our own crew and mill foremen, and our graduate seed analysts, in our modern laboratory—BUT ALSO by STATE INSPECTORS who periodically examine our fields and test the finished product in the STATE SEED LABORATORY!

We have gone to this extra trouble and expense so that we can offer you the protection of State Sealed and State Registered Hybrid Seed Corn. It is your assurance that Master Hybrids are dependable. Insist on it!



One of our huge seed corn drying plants, where over 5,000 bus. of Master Hybrid Seed can be dried at one filling.

IF YOU ARE PUZZLED—by the many varieties of Hybrid Corn, and don't know what kind to order for your locality, do not hesitate to write us. We will be pleased to advise you—without any obligation on your part.

HYBRID SEED CORN for TRIAL

If you doubt the claims made for Hybrid Corn or if you're not sure that you're growing the best Hybrid for your section, we make this offer so that you may try Hybrids at very little cost. Your choice of our Hybrid Seed Corn Varieties: 1 lb. 30c, 5 lbs. for \$1.25, postpaid.

STANDARD or Open Pollinated SEED CORN

GOLDEN JEWEL, Registered

Golden Jewel was introduced by us and there is no variety grown in southern Minnesota that surpasses it for yields of high quality corn and fodder. This variety is on the recommended list of the Minnesota Experiment Station. The ears are of a golden yellow color, very compact, 8-10 in. in length, 16-20 rows of medium deep, square shouldered kernels on a small red cob, and run from a moderately smooth to a slightly rough ear. It grows 8-10 ft. tall.

It is especially adapted to southern Minnesota, South Dakota, Iowa, southern Wisconsin, northern Illinois and other Corn Belt states. (See Blue Figure Price List.)

GOLDEN KING, Registered

A Medium Early High Yielding Variety

Golden King has been grown in central and southern Minnesota and northern Iowa for many years and is highly productive, having won in a number of yield tests. This corn grows 8 ft. tall. The ears are of rich golden color, medium deep kernels, 14-16 rows, 8-9 in. in length. It is recommended by the Minnesota Experiment Station for central and southern Minnesota and is also highly recommended for northern Iowa. It ripens earlier than Golden Jewel and can be depended upon to produce a crop of ripe corn in practically any season. Golden King shows a much smaller percentage of barren stalks than any of the open pollinated varieties.

We do not hesitate to recommend it for central and southern Minnesota, South Dakota, Wisconsin, and other localities where a 100 to 105 day corn variety can be grown to advantage. (See Blue Figure Price List.)

EARLY MURDOCK, Registered

Murdock is a yellow dent variety quite similar to Golden Jewel in appearance except that it has fewer rows. The kernels are medium deep with a wrinkled dent. Our strain is 5 to 10 days earlier than Golden Jewel and produces high yields of very fine quality. The ears are 8 to 9½ inches long, of golden color, compact and uniform. It is primarily adapted to southern Minnesota, Wisconsin, South Dakota, also northern Iowa and Illinois. It may be grown in some parts of central Minnesota and south central Wisconsin. It matures in about 100 days from the time of planting. The yields of Murdock are only slightly less than those of Golden Jewel. (See Blue Figure Price List.)

RUSTLER WHITE DENT, Registered

This is the best main white variety now being grown in central and southern Minnesota, South Dakota and parts of Wisconsin. It produces larger yields than some of the yellow varieties of the same maturity. The average height of the stalk is 8 ft., and the ears have 14-16 rows of kernels. (See Blue Figure Price List.)



Golden King.

MINNESOTA NO. 13, Registered

Large Type or Southern Strain

This strain has been especially selected for southern Minnesota, Wisconsin, South Dakota, northern Iowa, and similar localities. The ears are smooth, deep yellow in color, 7 to 9 inches in length, 14 to 16 rows of medium deep kernels. Stalks grow 7 to 9 feet tall and it matures in 100 to 105 days. It will produce large yields on good corn land. (See Blue Figure Price List.)

Central Strain (Minn. 13)

This was the original strain of Minnesota No. 13 and is especially adapted to central Minnesota, Wisconsin, and northern South Dakota, maturing about a week earlier than the Large Type Minnesota No. 13 or in 95 to 100 days. It is the best known open pollinated variety in central Minnesota. (See Blue Figure Price List.)

Extra Early Haney's Strain (Minn. 13)

This strain is particularly adapted for northern Minnesota and Wisconsin and North Dakota and is the earliest open pollinated yellow dent corn now being grown. Stalks grow 5 to 7 feet tall and will mature very readily in the northern areas under normal conditions and is very good for hogging off or early feeding in other sections of the Corn Belt. It matures in 85 to 90 days. (See Blue Figure Price List.)

NORTHWESTERN DENT, Registered

Northwestern Dent Corn is a cross between a red flint and a yellow dent, and has red kernels with light yellowish and cream shadings. No other variety is grown as extensively in North Dakota, northern Minnesota and Wisconsin as Northwestern Dent. Under ordinary conditions it matures in 80 to 85 days.

Northwestern Dent will produce high yields per acre for early corn. The ears are of good size, 7 to 9 inches long, having 10 to 14 rows of kernels. The stalks are 5 to 7 feet in height. This variety is excellent for hogging down. (See Blue Figure Price List.)

MINNESOTA IDEAL, Registered

This splendid large eared yellow dent corn, which we introduced, is very productive. It is a standard corn variety for southern Minnesota and other states of the Corn Belt. Minnesota Ideal matures a few days later than Minnesota No. 13. Under good growing conditions the yields are very high. Minnesota Ideal has a strong, vigorous root system and stiff stalks which enable it to stand up well. It is also an outstanding silage and fodder corn, producing more tons per acre than other varieties. (See Blue Figure Price List.)

FODDER AND FLINT CORN

Ideal Silo Corn

Registered and State Sealed

An Origination of the Farmer Seed & Nursery Company. Greatest tonnage per acre.

Ideal Silo Corn is the greatest yielder of corn for fodder purposes, for feeding green, for ensilage, and for curing in the bundle.

Originated by us, to give the largest tonnage in stalks and leaves—and well developed ears, that will make a balanced ration ensilage. It is not coarse like southern fodder, and does not grow all to leaves and water.

This strong, vigorous variety produces stalks 8 to 10 feet high, with broad thick leaves, making large quantities of high quality succulent fodder. Ears 8 to 10 inches long, with medium deep yellow kernels. Matures in about 110 days.

Our farmer friends report Ideal Silo Corn to fill silos with half the usual acreage. Many have filled silos 12x30 with corn from four acres, and 12x35 with corn from five acres, when with ordinary corn from 10 to 12 acres would be required to fill the same silos.

Demand Always Exceeds Supply

The demand in previous years has exceeded the supply of seed, and although we have a fair stock of the finest quality seed this year, and the lowest prices in years, we urge our friends to order early.

A down payment of 25% will hold your corn order until March 15th, at which time the balance is due. For Prices See Blue Figure List.

"HYBRID" SILO CORN

Because of the outstanding characteristics, hybrids are well adapted for silage. Many customers have asked that we offer hybrid corn for silage because of its superiority to other kinds.

These qualities which make hybrid suitable for silage are—

1. Produces an increased tonnage of 25%; more than enough to pay the extra seed costs.
2. Does not lodge and is easily cut with a binder.
3. Grows to a uniform height.
4. Stalks and leaves stay green longer.
5. Resists cold, drought and heat.
6. Produces well-developed, uniform-sized ears.

We have a limited amount of large type hybrid corn in this special lot taken from our regular registered stock. For Prices See Blue Figure List.

EVERGREEN SWEET FODDER CORN

A very vigorous grower, this variety will produce stalks 9 to 10 feet high. It increases the production of dairy cows. Other livestock thrive on it and make rapid gains. The stalks are sweet, tender, juicy and nutritious with large broad leaves produced in great abundance. The ears are large, having 16 to 20 rows of kernels and are white in color. There are 48 lbs. per bushel of Sweet Fodder Corn. Plant 15 to 20 lbs. per acre. See Blue Figure Price List.

YELLOW DENT FODDER CORN

Standard varieties that have given our customers very good satisfaction for many years. They are heavy yielders of fodder and may be used for feeding green from the field, as well as for silo filling and for curing in shocks to be fed later in the bundle.

Early type—Stalks large, ears medium, matures in 95 to 100 days.

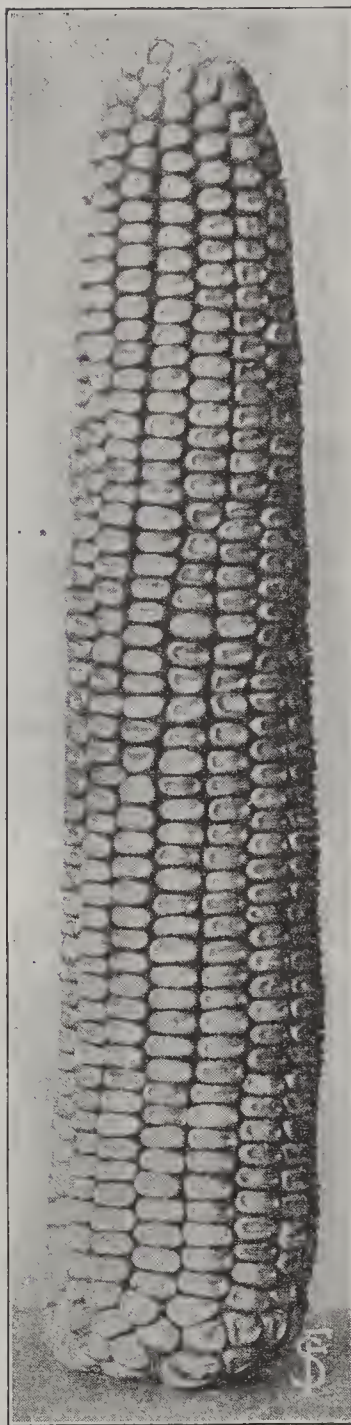
Late type—Stalks and ears large, matures in 100 to 110 days. See Blue Figure List.

SEED CORN TRIAL OFFERS

Do your own experimenting—your choice of our Hybrid Seed Corn varieties: 1 lb. 30c, 5 lbs. for \$1.25, post-paid.

Open pollinated and Fodder Corn varieties: 1 lb. 20c, 5 lbs. for 85c, post-paid.

For larger quantities see Blue Figure Price List.



IDEAL SILO CORN

Our Hybrid Seed Corn Stocks are Treated with Barbak



Dependable Seed Corn Treatment
Cost less than 2c per acre

Corn crops are reduced over 80 million bushels annually by diseases that are carried on the seed. Barbak destroys harmful disease organisms, protects seed from rotting in cold, wet soil, makes earlier planting possible, controls seedling blight, reduces root and stalk rots, and increases crop yields. Less irritating to handle than other corn treatments.

Price: 2-oz. packet (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 1-lb. tin (60-acre size) 75c, 5-lb. tin \$3.25, 25-lb. drum \$14.00.

CROTOX Bird Repellent

Saves Seed and Replanting—Stops Crows, Pheasants, Larks, Starlings and other birds, as well as Squirrels, Gophers, Woodchucks, etc., from destroying planted seed.

Crotox covers all smooth surface seeds with a protective repellent coating which repels seed-pulling birds and rodents. 1/2 pt. treats 1 bushel seed... 60c, prepaid 1 pt. treats 2 bushels seed... \$1.00, prepaid

SEMESAN JR.

One pound will treat enough corn seed to plant 60 acres. Increases germination and stand, and at a cost of 2 cents an acre will insure an increase in yield.

Prices: 2 ozs. 15c, prepaid.—Not prepaid, 4 ozs. 30c, 1 lb. 75c, 5 lbs. \$3.25, 25 lbs. \$14.00.

Note: "Master Hybrids" are all treated.



Paul Pokaltus in His Field of Ideal Silo Corn.

Flax is a Profitable Crop

New Soil Conservation Program Encourages Its Production

In the north central region flax will not be considered a soil depleting crop when used as a nurse crop for biennial or perennial grasses established in 1939. This change in the 1939 Soil Conservation Program has been made in order to stimulate the growing of flax. Production of flax during the past five years has been so small that the crushers have had to import large quantities.

Flax is easily grown if planted on clean land. It will produce a large crop under good growing conditions, bringing much greater returns than can be obtained from most of the grain crops. A good flax crop will usually bring \$25 to \$35 per acre, while \$20 to \$25 per acre is a good return from small grain. In addition, flax holds an important place in the soil building and erosion control program.



Sudan Grass produces 3 to 4 tons of hay from one cutting.

HARDY FLAX VARIETIES

There is an acute shortage of Seed Flax. Order early while supplies are available.

In the past, Flax was considered more as a catch crop, to be planted when conditions for other crops were unsatisfactory, or after all other crops were sown. This is a very poor procedure, for Flax does best in moderately warm weather and if planted too late is usually greatly affected by heat and drought.

To obtain large crops, sow early right after grains are planted, up to about the middle of May. The earlier that Flax is sown, the better able the plant will be to withstand wilt and other diseases.

Sow Flax at the rate of 28 to 42 lbs. per acre, depending upon the size of the seed and the condition of the land. The smaller seeded varieties such as Red Wing are seeded at the rate of 28 to 35 lbs. per acre, or slightly more if the land is somewhat weedy, Bison at about 35 to 42 lbs. per acre.

BISON—This variety comes from the North Dakota Experiment Station. It is a large seeded type both rust and wilt resistant and is exceptionally popular in the Dakotas, Minnesota and other points of the Northwest. It has already replaced many other varieties now being grown. From the yield standpoint it will produce about as much as Red Wing. Yields have been reported as high as 30 bushels per acre, but an average yield can be expected of about 20 bushels or more per acre. See Blue Figure Price List.

RED WING FLAX—Rust and wilt resistant. Like Bison Flax, Red Wing is outstanding for its resistance to rust and wilt. It was developed by the Minnesota Experiment Station and has proven a good yielder throughout the Northwest. The blossoms of Red Wing Flax are a lighter blue than the other varieties and the seed is somewhat lighter in color. Red Wing Flax is quite popular this season and we anticipate a good demand. See Blue Figure Price List.

Ideal Flax Combination Crops

Legume—Grass—Flax Combination

As a nurse crop for Alfalfa, Clovers or Grasses, Flax has no equal, because it does not heavily shade the young forage plants and its sturdy stubble affords winter protection. The flax plants' open habit of growth and the presence of legumes and grasses in combination also aid in controlling weeds.

We recommend seeding a normal rate of Alfalfa, Red and Alsike Clover, Sweet Clover, Timothy, or other grasses with approximately one-half a normal seeding of flax per acre, or 14 to 20 lbs., so that the clover and grasses would not be smothered and a good stand secured.

A Clover or Grass Seed attachment to the grain drill may be used, sowing the seed ahead of the drill and covering it lightly with a harrow.

RAPE FOR QUICK PASTURE

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant.

One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt.

Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

DWARF ESSEX RAPE—The commonly grown type that has produced the finest pastures for many years. Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

Advantages in Sowing Rape

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, Sudan Grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.

SUDAN GRASS GROWS QUICKLY

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet soils are not suited to Sudan Grass. Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows.

DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME. Like corn, it is a warm weather crop.

In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed, only one crop can be harvested.

Produces Quality Hay

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Livestock of all kinds will eat the hay readily.

CULTURE—For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage will make a bright, leafy, sweet, hay, of the very best quality.

Plant Legumes with Sudan

Sudan Grass grown with legumes, such as soy beans, makes a well-balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate.

Prices: Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

SUDAN GRASS CIRCULAR FREE

SOY BEANS, FIELD PEAS, VETCHES

SOY BEANS ARE VALUABLE FOR HAY, SEED OR FOR SOIL IMPROVEMENT

1. Soy Beans are easy to grow, and are valuable for soil too poor for other legumes.
2. They withstand both drought and heat well, and are not easily damaged by moisture.
3. They make a good emergency crop, as they can be sown late, after other crops fail or are harvested.
4. They deposit large quantities of nitrogen in the soil if inoculated with Nitragin, building up poor land on which clover or alfalfa cannot be grown.
5. Soy Beans as a hay crop, are higher in protein content than clover hay, or field peas and oats mixed. For dairy cattle, the hay is equal to alfalfa hay.
6. They make good ensilage grown with corn, and are also used for hog pasture.
7. They take the place of oilmeal, and are even more digestible.



This Field of Soy Beans Yielded a Heavy Crop of High Feeding Value.

How To Grow Soy Beans

CULTURE. Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right.

Soy Beans may be planted in the following manner:

1. In ordinary 6 in. rows with a grain drill, using 90 to 120 lbs. of beans per acre.
2. In 12 in. rows, using a grain drill and plugging up every other drill, using 80 to 90 lbs. per acre.
3. In 21 in. rows, using a corn planter with a bean attachment, the planter being set at the regular distance of 42 in. and the rows straddled. Plant about 70 to 75 lbs. of beans per acre.
4. Soy Beans may also be planted in rows 30, 36 and 42 in. apart and cultivated. Plant 35 to 45 lbs. of beans per acre.
5. Soy Beans may also be broadcast, using about 90 to 120 lbs. per acre.

Soy Beans for Seed

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to livestock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it cannot sprout in the bins.

Soy Beans for Soil Improvement

Soy Beans head the list of the annual soil improvement crops. They will give a very fine yield of hay or may be turned under in the fall, thereby enriching the soil and making it mellow and easily tillable. Like other legumes, they should be inoculated with Nitragin inoculator in order to get the best development and have the greatest amount of plant food turned under. Soy Beans will be in very great demand in 1939.

MANCHU

This variety takes the lead among Soy Beans in the Middle Western States. It is outstanding for all purposes—hay, feed, hogging down, as well as for planting with corn for the silo. It will fully mature under ordinary conditions and grows large enough to produce excellent yields of hay or a large crop of beans. A good average crop will produce 20 to 30 bushels of beans per acre.

Manchu is a robust grower of vines which stand up well and are easily cut with the corn or grain binder. This variety matures in about 100 days, being well adapted to the southern half of Minnesota, Wisconsin, South Dakota and all sections farther south. In localities where the growing season is short, Manchu is preferred for hay purposes, but an earlier variety must be grown for seed. The beans are yellow and of medium size. Price: Lb. 20c, postpaid. See Blue Figure Price List.

HABARO—Registered

Originated by the Minnesota Experiment Station.

Habaro is the most outstanding variety for Minnesota and the Northwest. It was introduced a number of years ago, and when it became generally known that soy beans were such a profitable crop, there immediately was a demand for this variety.

Habaro is earlier than Manchu and will produce ripe beans anywhere in southern Minnesota and even in sections farther north, under good growing conditions. It is the highest yielding, yellow seeded soy bean variety, adapted to conditions such as we have in Minnesota.

Habaros stand up straight, are very leafy and produce a large tonnage of nutritious hay per acre. They may be easily cut with a grain or corn binder, and have a high oil content which makes them desired by the crushers. Habaros will produce 35 to 40 bushels of well matured beans per acre on good land under normal growing conditions. During the past few seasons we have had hundreds of requests to include the Habaro variety in our catalog, but owing to the seed shortage, we could not do so until this year. We have only a fair supply and with the great demand, these will not last long, so please order early. Price: Lb. 20c, postpaid. See Blue Figure Price List.

MUKDEN

Mukdens were introduced a few years ago and are now being grown extensively. The reason for their popularity is due to the fact that they mature a little earlier than Manchu and Illini, grow upright and do not have a tendency to lodge. They are very leafy, produce a large tonnage of hay and a high yield of beans. The seed is yellow in color, resembling Manchu, but slightly smaller. In southeastern Minnesota and northern Iowa, Mukden is one of the most important varieties. The supply has been increased each year and still cannot keep up with the demand.

We have some of the finest Mukden Soy Beans that we have ever offered. Be sure to try this variety and determine for yourself just what they will do. Price: Lb. 20c, postpaid. See Blue Figure Price List.

Soya "Way-To-Health" Foods Soya Meat Cracks

A meat substitute made from Soy Beans—delicious and ready to eat. This alkaline cereal is high in protein content—free from starch, and has an abundance of minerals and vitamins. Excellent aid for nerve, brain and bone building. Used as a breakfast food or meat substitute in meat loaf, patties or dressing. Useful also in diabetic, reducing and alkalizing diets. Builds endurance. Very good in combination with Wheat Germ. See page 76. Price: 1 lb. 35c, 3 lbs. 90c, prepaid.

Field Peas Canada Yellow

CHANCELLOR—Registered

Field Peas are an important class of legumes, and should be more generally planted. Few farmers know the value of Field Peas as a hay crop and fertilizer. They fit into crop rotations well, and are better suited to conditions of the Northwest than any other annual legume, for building up worn-out soils.

Field Peas are usually grown with oats for hay, a combination equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels of oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats are sown with the peas, they grow too rapidly, and check or smother the growth of the peas. Price: Lb. 20c, 5 lbs. 75c, postpaid. For prices on larger quantities, see Blue Figure Price List.

Vetches SAND or HAIRY

Vetches, either green or as hay, make excellent feed and are also used extensively as cover and green manure crops. They make good hay, ensilage, pasture and green feed and are very valuable as a green fertilizer and as a cover crop in orchards, preventing the washing away of the soil.

Vetch may be sown in the spring at the rate of 60 lbs. per acre, or with a grain crop such as oats, wheat, rye or barley, at the rate of 30 lbs. per acre, and using one-half of the normal rate of small grain. This combination makes excellent forage or hay and also aids in preventing the Vetch from lodging. Vetch may also be seeded in the fall with winter rye for a hay crop, about August 1 to 20, using about 30 lbs. of Vetch and ¾ bu. of rye per acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. See Blue Figure Price List.

Sunflower MAMMOTH RUSSIAN

The production of Sunflower for ensilage and fodder is now advocated by many experiment stations. This is fairly profitable where the seasons are too short to grow other forage plants, sorghums, etc.

We do recommend Sunflower as a highly important and profitable crop for poultry breeders and farmers, for fattening hens or producing eggs. Single flower heads measure 12 to 22 inches across, containing a large quantity of seed. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.

MILLET and SORGHUM CANE

Although many farmers are now growing Millet regularly as a hay crop, it was not until the last few years that its value was fully appreciated as a quick-developing crop. Many find it of great value in case of crop failure of Clover and Timothy, when dry, spring weather cuts short the pasture and meadow grasses, or when there is a cold, wet spring and corn and other early sown crops are drowned out—it is then that Millet is fully appreciated.

Millet may be planted up to July 1 and even later, and still produce a crop of hay or pas-

ture. Millet hay properly handled has great feeding value and milk-producing qualities. For hay it should be cut as soon as it blooms, before the seed forms, otherwise the hay is apt to be woody. In more southern sections Millet is sown as a catch crop after the grain has been harvested. It produces the best results in warm, rich soil.

Sow broadcast, using about 25 lbs. per acre, covering seed three-quarters of an inch deep. For a seed crop, allow the Millet to ripen fully and harvest with a grain binder.



German or Golden Millet.

SORGHUM CANE

MINNESOTA EARLY AMBER—The Early Amber Sugar Cane grown in Minnesota is superior to that grown anywhere else. It is the earliest strain grown, very hardy, of fine quality, and yields from 12 to 20 tons of cane per acre, according to soil conditions and cultivation. It grows 12 to 18 feet high, yielding much fodder, of good quality. Early Amber Cane and Fodder Corn are often planted together, and produce immense yields.

One acre of Early Amber Cane will produce enough to make 175 to 200 gallons of syrup, of delicious rich quality, golden yellow color.

We offer an improved strain of Minnesota Early Amber Sugar Cane which has been carefully bred for size, sugar content, and palatability. Sow 8 to 10 lbs. per acre for syrup. Price: 1 lb. 20c, 5 lbs. 80c, postpaid. (See Blue Figure Price List)

DAKOTA AMBER 39-30-S CANE—Low Acid Cane Variety Developed by the South Dakota Experiment Station.

The demand for low acid content Cane of early maturity has been met by the introduction of Dakota Amber 39-30-S. It grows 55 to 68 in. tall, the stems are medium large and juicy and sweet, tillers freely, the leaves are medium in size. It is a good forage and grain producer. The following qualities make this Cane outstanding:

1. Low acid content.
2. More sugar, higher feeding value.
3. Safe as Sudan Grass.
4. Certified as to purity—uniform maturity.
5. Easy to handle.
6. A good fodder and grain producer.

Plant 5 to 10 lbs. per acre in cultivated rows or 50 to 60 lbs. per acre broadcast.

The supply of this new Cane is limited and we quote prices on small quantities only. If larger quantities are desired, write for quotations. Price: 1 lb. 40c, 5 lbs. \$1.75, 10 lbs. \$3.00, postpaid. (See Blue Figure Price List.)

WACONIA ORANGE CANE—Grows much heavier but shorter stalks than Amber Cane and withstands storms and wet weather without lodging. It produces an outstanding quality of syrup and more of it per acre. Sow Orange Cane at the same rate as the Early Amber Cane. Price: 1 lb. 20c, 5 lbs. 80c, postpaid. (See Blue Figure Price List.)

FODDER CANE—(Southern Grown.) A profitable feed crop producing as much as 30 to 35 tons of green feed per acre. It makes good hay if cut before it grows too high. It matures later than Early Amber Cane. Sow 50 to 60 lbs. broadcast or 12 to 15 lbs. in drills per acre. Price: 1 lb. 20c, 5 lbs. 80c, postpaid. (See Blue Figure Price List.)

JAPANESE MILLET—Billion Dollar Grass

Japanese Millet is one of the best forage crops we have, for feeding all kinds of livestock. It ranks high in milk-producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration, two parts of millet to one of soy beans being the right proportion.

Japanese Millet is adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown any time from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

FIVE REASONS FOR GROWING JAPANESE MILLET:

- 1—It grows 4 to 8 ft. high and produces 5 to 6 tons of hay per acre.
- 2—It is drought-resistant, yet can be grown on wet or poor soil.
- 3—It is good for exterminating quack grass as it stools heavy.
- 4—It is cheap to sow, only 20 to 25 pounds of seed per acre being required.
- 5—It is very palatable and is liked by all classes of livestock.

PLANT MILLETS WHEN SOIL IS WARM AND DANGER OF FREEZING IS OVER.

PROSO MILLETS

Sow 25 pounds per acre.

TURGHAI PROSO—Turghai Millet grows three feet tall and has a purple spreading head. The stems bear a wide leaf similar to corn and are not woody. It withstands considerable drought. It is a red seeded variety, like Early Fortune. Turghai has yielded from 50 to 70 bushels on heavy soil and three tons of hay per acre. Contains 17% protein and is one of the richest feeds for hogs, cattle, sheep and poultry. Ask for free circular.

EARLY FORTUNE—This seed is of a shiny reddish brown about the size of Turghai. The heads are compact. It matures rather early, growing about medium height. It is ready to harvest in 50 to 60 days after sowing.

HOG OR BROOM CORN MILLET—The seed is of high food value especially for poultry and hogs. It is yellowish white in color. Very early and drought resistant and will produce excellent yields of seed.

JAPANESE MILLET (described above).

Price: 1 lb. 20c, postpaid. For larger quantities see Blue Figure Price List

FOXTAIL MILLETS

Sow 15 to 20 pounds per acre.

GERMAN OR GOLDEN—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality, and so tender it can be fed to hogs.

HUNGARIAN—It is about a week earlier than German or Golden Millet, and much safer for northern sections, especially if sown late in the season. It does not grow as vigorously, but the hay is of finer quality, especially good for cattle, as it is nourishing and milk producing.

SIBERIAN—We think this the best Millet for dry sections. It is extremely hardy, drought resistant, and about two weeks earlier than Golden Millet. It stools heavily, is very leafy, and yields enormous quantities of fine quality hay. It produces 50 to 70 bushels of seed per acre.

SEED TREATMENTS

BARBAK—This dependable seed corn treatment increases germination and stand at a cost of 2c per acre. Permits earlier planting, prevents seed rotting, and insures increased yield. Price: 2 oz. pkt. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 1 lb. tin (60-acre size) 75c. See page 68.

SEMESAN JR.—Another seed corn treatment which destroys seed-borne diseases, protects seed from rotting in cold wet soil, thus makes early planting possible. Price: 2 oz. (enough for 1 bu. seed) 15c, prepaid. Not prepaid, 4 ozs. 30c, 1 lb. 75c. See page 68.

CROTOX BIRD REPELLENT—Saves seed and replanting. Stops crows, pheasants and other birds, as well as squirrels, gophers, woodchucks, etc., from destroying planted seed. For seed corn, soybeans and other smooth coated seed. Price: ½ pint (treats 1 bu. seed) 60c, 1 pt. \$1.00, prepaid. See page 68.

CERESAN—For treating seed grains—wheat, oats, barley. See page 63 for details.

SEMESAN BEL—For treating seed potatoes. See page 19 for details.

SEMESAN—For treating all garden and flower seeds. See page 14 for details.

FREE: Circulars fully describing any of the above seed treatments, on request.

POULTRY REMEDIES

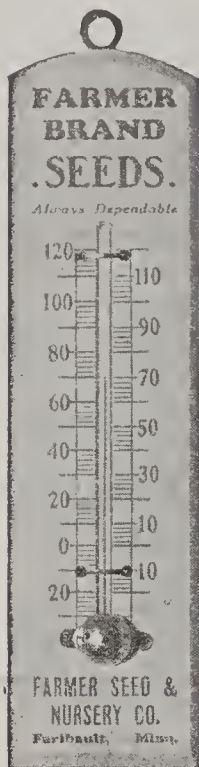
MINK'S LOUSE KILLER OINTMENT—One application keeps hens free from lice for six months. Pays its cost tenfold in increased egg production. Wonderful remedy for head lice, on baby chicks and turkeys. If not completely satisfied, return empty box and get your money back. One box sufficient for treating 75 to 100 hens. Perfectly harmless. Price: 80c, prepaid.

LICE POWDER—Will successfully kill body lice on chickens, horses and cattle. It is very effective when applied to roosts, walls and crevices with a powder gun. Price: 1 lb. 30c, prepaid. Not prepaid, 1 lb. 25c, 5 lbs. \$1.00.

PHENO-NOX TABLETS—Valuable to use in drinking water or milk. Can be used in any kind of drinking vessel. For baby chicks, poults, and mature stock. For treatment and control of common bowel disorders. Keep in drinking vessels of all chicks and poults. Insures health and may prevent outbreak of serious troubles. Price: 50 tablets, 45c, 150 tablets, \$1.00, 300 tablets \$1.75, 500 tablets \$2.75, ppd.

CAM-PHOR-MIST—A spray that really stops bronchitis, brooder pneumonia, common colds, roup, or respiratory troubles. Use as preventative. Spray regularly. Don't take chances. Inexpensive and easy to use. If birds are subject to colds or roup use Cam-Phor-Mist. Price: 8-oz. bottle 60c, 16-oz. bottle \$1.00, ppd.

Up-to-date Helps for the Modern Farmer



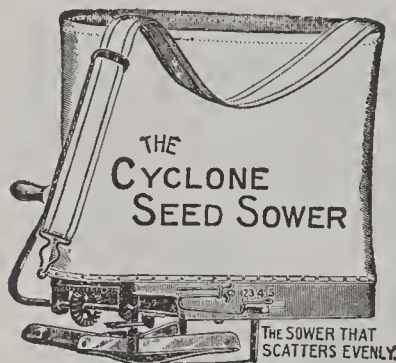
Home Thermometer

Let this tested thermometer help keep your home comfortable, or keep a check with it on the temperature of the barn, or out of doors. There is nothing more useful than a good thermometer and thousands of "Farmer Brand" thermometers are now in use. Price: 25c, prepaid.

Calico Mouse Seed

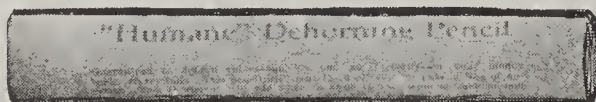
Most satisfactory mouse exterminator ever sold. A natural treated seed which attracts the mice. They chew out the inside kernels and thirst then drives them out to die. No baits, no traps, no muzz. "A saucer and seed is all you need." 2-oz. package, 25c, prepaid. 8-oz. package (most economical size), 50c, prepaid.

Cyclone Hand Seeder only \$2.50 POSTPAID



Grass Seed mixtures cannot be seeded to advantage with the grass seeder attachment to the grain drill because of clogging and uneven work. The Cyclone Seeder is simple, light but strong. It will sow timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even. Any desired quantity, from one quart to three bushels can be sown, per acre. Canvas bag holds one-half bushel seed. Shipping weight, 4 pounds. Price: \$2.30, not prepaid.

Humane Dehorning Pencil



The value of a calf is increased \$2.00 by dehorning. The brutal method of sawing off the horns is obsolete. Check the growth of horns in young calves with our "Humane" Dehorning Pencil. One application does the work, so simple any boy can do it—does not injure the calf, is entirely painless. We absolutely guarantee satisfaction, or refund your money. Each pencil will dehorn from 10 to 15 calves, at a cost of about 4 cents per calf. We have sold "Humane" Dehorning Pencils for many years to thousands of satisfied customers. Include one with your order. Price: 50c per pencil, 3 for \$1.20, prepaid.



CYANO GAS

KILLS RATS, MICE, GOPHERS, MOLES, WOODCHUCKS

Cyanogas A-Dust, when exposed to the air gives off a dust that is deadly to rodents and insect pests. It kills them almost immediately. The residue, after the gas has been given off, is ordinarily slaked lime and is non-poisonous. The pests don't have to eat Cyanogas or even touch it—it gets them wherever they are.

Cyanogas A-Dust can be applied with the dusters we list on this page or with a spoon or by sifting. Full directions with each package. Write for free circulars telling how to rid yourself of these pests.

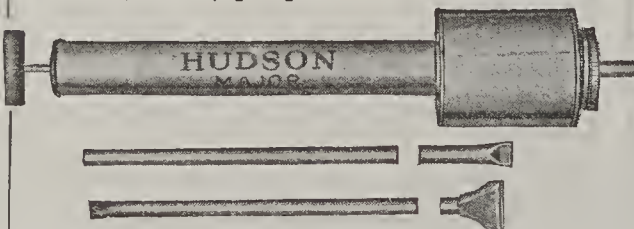
Prices: Cyanogas A-Dust— $\frac{1}{2}$ -lb. can 45c, 1 lb. 75c, 5 lbs. \$3.00, 25 lbs. \$10.00, 100-lb. drum \$25.00, f. o. b. Faribault.

MAJOR DUSTERS For Cyanogas or Insecticides

The Major Duster is especially suited for Cyanogas. It may also be used with other insecticides and fungicides in dust form.

The Duster is fitted with an air valve to keep powder from entering the pump.

Price: No. 665 Major Duster with two 12-in. extensions, two nozzles and 12-in. flexible hose complete, \$1.29, postpaid.



"Sure-Catch" Pocket Gopher Trap 75c



Part of 104 Pocket Gophers caught in one night

Sold on Money Back Guarantee

Few farmers realize the losses caused by pocket gophers. Most counties pay bounties to check these farm robbers, but only recently has a trap been brought out that will really get a pocket gopher nine times out of ten. This trap is so simple and effective that the manufacturers back it with an unlimited guarantee to do the work, or you return the trap and get your money back.

The "Sure-Catch" Trap is a little over 9 inches long. Is easy to set—perfectly harmless to handle and fits into the gopher hole, half length. The trap is not covered and the gopher from within trips the trigger as he attempts to cover up the hole. Boys and girls make good money trapping pocket gophers. Price, with full instructions—75c each, 6 for \$3.95, prepaid.

Nash Mole Trap

Recommended by U. S. Biological Survey, Wash., D. C. The Only Trap That Always Catches the Mole in All Kinds of Ground When Properly Set.



Both the choker wires are made of a single piece of metal, bent to desired form, so that they are held perfectly in place. Springs are made of one piece of best Bessemer spring steel. Clods or stones cannot prevent perfect operation. This trap catches

the mole when it comes from either direction, the pan being located between the two choker loops which are sufficiently far apart so the mole in passing will spring the trap and be caught by the loops around the foreward spades or flippers. If properly set, you cannot fail with this trap. Fully guaranteed to give satisfaction or money back. Full directions for setting, also directions for preparing the skins for market, supplied with each trap ordered. Weight, 2 lbs. 2 ozs. Price: \$1.50, prepaid.

Gopher Death

A tasty morsel to gophers, ground hogs, prairie dogs, pocket gophers. Simple to use—by placing a tablet in the rodents holes. The aroma and taste are very attractive, and sure death to gophers. Get rid of these pests—they are costing you many times the small price asked. Price: Small size 35c, medium 75c, large size (most economical), \$1.50, prepaid.

"Black Cat" Non-Poisonous Exterminator



"BLACK CAT" RAT and MOUSE KILLER is harmless to man, domestic animals, baby chicks, poultry, dogs and cats, but kills rats, mice and gophers quickly. May be safely used around the home, barn, poultry house, warehouse or any rat or mouse infested building. "Black Cat" can be

mixed with butter, ground meat, corn meal or other food. Rats and mice will eat it readily, and it drives them outdoors to die.

GUARANTEED to kill rats, mice and gophers and nothing else, when used according to directions. Send today. 45c per package, prepaid.

Get Rid of Rats!

With Pastoxine, The New No-Poison Way Pastoxine, an amazing, new non-poisonous exterminator of rats and mice. Product of the famous Pasteur Vaccine Laboratories, Paris, France. Most sanitary method—drives rodents out to die—harmless to man, domestic animals and poultry. Approved by Dept. of Agriculture. 1 oz. jar (goes a long way) 65c prepaid.



Easy-Tight Corn Shock Binder ONLY 95c POSTPAID

With the Easy-Tight you have the easiest and fastest way to draw tight the top of corn shocks and make binding simple.

The top is held tight by a simple lock on tightener which releases its hold with a slight jerk of the rope. No need of pulling the rope back out of the pulley. A wide flange on upper part of pulley prevents the rope from working out.

Corn leaves, green, wet or dry do not interfere with its operation, as the Easy-Tight has an open top on wheel.

The Easy-Tight Corn Shock Binder comes equipped with a thick rope—easy on the operator's hands. It has weight enough to be thrown around the shock and does not have to be carried. One man can operate it easily. Saves thousands of steps and is made to last.

Price: 95c, postpaid to third zone.

High Grade Garden Implements to Make the Job Easier!

THE NEW AMERICAN GARDENER No. G-2

A complete garden outfit for all purposes. 1—A plow for trenching; 2—A scuffle hoe or sweep for weeding; 3—A cultivator for breaking up the soil; 4—A mulcher, pulverizer or rotary hoe for pulverizing, killing weeds, stimulating plant growth and leaving a dust mulch to save moisture. It is simple, compact, easy to use and speedy. This single tool will do everything that any other tool or combination of tools will do.

The mulcher attachment is interchangeable with trenching plow. Loosen the hand wheel and turn any one of these tools into position. Fully guaranteed.

(For a seeding attachment, we recommend Midget No. 2—described below.)

Price: Complete, \$4.75, not prepaid.

4 TOOLS IN 1

\$4.75

Complete



Weight, 23 lbs.

STANDARD No. 20-A SINGLE WHEEL CULTIVATOR

With this tool you can get your money's worth in a few hours' work, whether you have five acres, one acre or a garden only 25 feet square. Has a strong steel wheel 24 inches in diameter, making it work easily and carrying the tool in perfect balance. The handles are quickly adjusted to suit the height of the operator or to regulate the depth desired to run attachments. The equipment includes double end shovel mold-board with landside with 5-prong cultivator (practically 5 tools).

Price, complete: \$3.10, not prepaid. Weight, 20 lbs.

Price

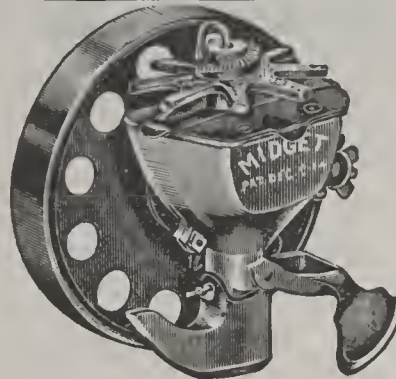
\$3.10



MIDGET SEEDER No. 1—\$2.95

For sowing any kind of seed, from the smallest up to peas and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator, or any other Single Wheel cultivator, having 5½ inches or more space between shank and wheel. Shoe is adjustable for any depth and coverer swings easily. The most popular seeder on the market. If wanted for use alone, we offer it with handle.

Price: Set up, ready to be attached, \$2.95. With handle, \$3.45, not ppd. Weight, 8 lbs.



MIDGET SEEDER No. 2—\$3.75

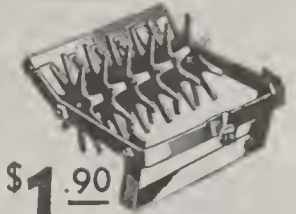
This perfect seeding device will hold one quart of seed. It drills accurately all kinds of seeds from radishes to peas or beans, covering at uniform depth and giving an even stand. Use this tool in combination with the new American Gardener or Standard No. 20A and you have a complete outfit. An ideal combination with No. G-2. Not to be used alone. Price: \$3.75, not prepaid. Shipping weight, 10 lbs.

For the Newest Time and Labor Saver—

See the New "PUSH-PULL" HOE—Page 25.

STANDARD WEED KILLER PULVERIZER AND MULCHER

Attaches to any high wheel cultivator. Runs light. Has six star wheels mounted on revolving shaft. Between wheels are projecting teeth which pulverize the lumps. Mounted in front is a 10-inch scuffle blade, both edges sharpened. Weight, 6 lbs.



\$1.90

Postage, 20c.

"TRUE TEMPER" ROTARY MULCHER-CULTIVATOR

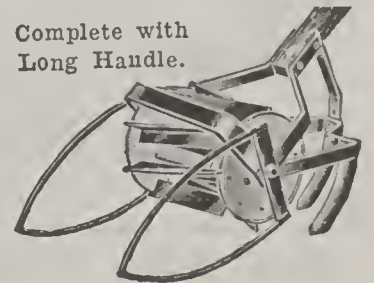
A complete outfit—Mulcher, Weed Killer, Pulverizer, Cultivator.

The knives on the 8¼-inch reel are 2½ inches wide, so formed as to keep the reel from running deeper than it should. Scuffle hoe of high carbon steel, both edges sharpened. The cultivator unit has three carbon steel shovels 7 inches long. They are adjustable for width of row.

No. T8½. 8½-inch cut; weight, 17 lbs., \$4.25 f. o. b. Faribault.

No. T10¼. 10¼-inch cut; weight, 18 lbs., \$4.65 f. o. b. Faribault.

Complete with Long Handle.



No. T-10¼ **\$4.65**

F. O. B. Faribault.

Protect your Garden with Reliable INSECTICIDES



New
Bug Gun
Shoots
to Kill
Comes Loaded
with
3000
Shots

Kill Insects the Easy, Safe Way—44c ppd.

Here's exactly what you have been wanting, all in one package. A new derris, rotenone dust, which is non-poisonous, safe to use. Kills insects in the garden and house, both chewing and sucking types, including aphids, worms, beetles, mites, red spider, fleas, roaches.

Use Bug Gun on flowers, vegetables, fruits, also for lice on household pets, etc. No mixing or waiting. Bug Gun complete, loaded with dust, 35c each. Postage 9c to 3rd zone.

DOG-ZA-WAY—Spray it on your evergreens, shrubs, plants or trees with hand sprayer and dogs will stay away. Harmless—non-poisonous. Household size, 39c, prepaid.

APHIS SPRAY—An improved nicotine spray suitable for the control of all kinds of aphids (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with water. Price: 3-oz. collapsible tube (makes 6 gallons of spray), 40c, prepaid.

ARSENATE OF LEAD—It is safest to use on tender foliage and sticks well on the leaves. Can be used as dust or spray. Price: ½ lb. 25c, 1 lb. 35c, prepaid; 4 lbs. 75c, not ppd.

BORDEAUX MIXTURE—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. Price: 1 lb. 35c, prepaid; 4 lbs. 70c, not prepaid.

"BLACK LEAF 40"—(Sulphate of Nicotine.) Is especially recommended for killing the green aphids or lice which usually appear on sweet pea, cucumber and other vines. It can be used for spraying all kinds of plants. Price: 1-oz. bottle (makes 6 gallons of spray) 40c, 5-oz. tins \$1.10, 2-lb. tins \$3.25, prepaid.

CYANOGAS, ANT KILLER—Special 4-oz. tin container. Simply shoot it in the nest and no more ant trouble. Price: 35c, prepaid.

WETTABLE DUSTING SULPHUR—Keep your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. Wettable Dusting Sulphur is a tonic for roses, chrysanthemums, phlox, and sticks on leaves in spite of rain. Price: 2-lb. can, each 35c, prepaid.

EVERGREEN—Non-Poisonous Insecticide. Effective against most other plant pests, including cucumber and melon beetles, cabbage worms, rose slugs, leaf hoppers, currant worms, etc. Safe—kills only insects—harmless to man, livestock, birds and pets. Non-injurious—Spray freely on the tenderest plants. Won't injure the ground. Price: 1-oz. bottle (makes 6 gallons of spray) 35c, 6-oz. bottle \$1.00, prepaid.

GARDEN GUARD—A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on cabbage, cauliflower, tomato plants, melon vines and other vegetables, currants and gooseberries, flowers and shrubs of many kinds. Price: 1-lb. sifter carton 30c, prepaid.

"NOK-EM-KOLD" GARDEN INSECTICIDE—It controls cabbage and cauliflower worms, cucumber beetles and all insects infesting vine crops, berries and shrubs. Dust on while the foliage is damp with dew. Will not burn or injure plants or fruit. Price: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 85c, 10 lbs. \$1.25.

LIME SULFUR—Summer spraying against scab, soot, blotch, red spider and mite. Price: 1 lb. 35c, prepaid; 5 lbs. \$1.35, 10 lbs. \$2.35, not prepaid.

ROTENONE GARDEN GUARD—New formula. Non-poisonous, yet very effective. Controls most leaf-eating insects. Perfectly safe to use. Price: 1-lb. sifter top can 40c, prepaid.

SLUG SHOT—The standard remedy for worms, rose slugs, caterpillars, cabbage worms, etc.—effective, and entirely harmless to plants. Price: 1-lb. carton, with perforated top, ready for use, each 30c, prepaid.—Not prepaid, 1-lb. carton 25c, 5 lbs. 85c, 10 lbs. \$1.50.

TOBACCO DUST—Destroys rose slugs, lice, vine bugs, tomato worms, currant worms, cabbage lice, and the parasites of all descriptions. Apply when foliage is wet. Price: 1 lb. 30c, prepaid.—Not prepaid, 1 lb. 25c, 5 lbs. \$1.10, 10 lbs. \$2.00.

Spray Guide Free on Request.

CARCO SPRAY

For root maggots.....Page 20

SPRAY GUN

For liquid insecticides.....Page 75

DUSTER

For powdered insecticides.....Page 72

WEED KILLER

For lawns.....Page 74

RABBIT REPELLENTS

For trees.....Page 28

WATER LANCE \$1.85 ppd.

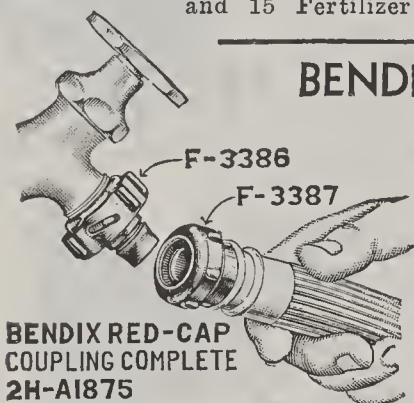
Waters, Fertilizes ROOTS of Trees, Shrubs and Plants.

A handy device, simple to use, that puts the water right down to the roots. Saves time—saves water. In two minutes it supplies more water to the roots than two hours of surface soaking. A tremendous water saver. Attaches to any garden hose.

Your trees and shrubs need only one good watering a week when watered from the bottom with the WATER LANCE! Watering them from the top forces the roots to grow upward—washes the soil from the base of the shrub and causes the ground to become packed and hard. Price: \$1.65. Postage, 20c. Circular free.

Fertilizer Attachment—You can fertilize roots of trees or plants without waste or danger of injury. Concentrated plant food tablets, in this attachment, dissolve slowly and are carried to the roots by Water Lance. Fertilizer Attachment only, \$1.10, postpaid. Special Fertilizer Tablets—Box of 15, only 30c, prepaid.

Complete Outfit: Water Lance, Fertilizer Attachment, and 15 Fertilizer Tablets, only \$3.00, postpaid.



BENDIX HOSE COUPLING

The hose snaps on or off. It is watertight, and can't pull apart accidentally. Stands as much water pressure as the hose itself. With the "Red Cap" there are no lost washers—no jammed threads. It is easily installed on faucets. Convenient to connect two lengths of hose—on nozzles or sprinkler. No tools needed. The "Red Cap" swivels freely round and round and prevents hose kinking. Price: Complete coupling 60c, extra faucet end 30c, extra hose end 40c, prepaid.

LEVER SPRAY HOSE NOZZLE

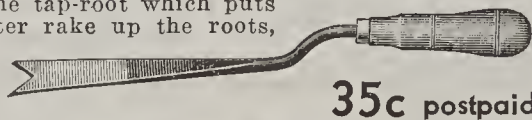
\$1.00 prepaid

Makes sprinkling a sport—hand pressure regulates the flow—automatic shut-off when released—no leakage—no wet hands—if the telephone rings or somebody calls, just drop the hose. The Carter Lever Spray Nozzle is constructed of non-rustable metal—handsomely nickel plated. Bronze spring and knurl nut, axle and all other parts of best quality brass. It's delightfully easy to use and makes watering the garden, lawn or shrubs a pleasure.



KWIK-WORK DANDELION KNIFE Only 35c

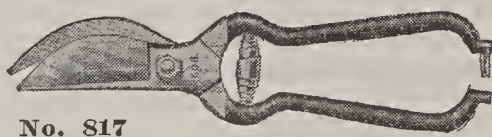
Just a jab and you sever the tap-root which puts an end to the dandelion. Later rake up the roots, no holes in the lawn! Made of tempered steel with 10-inch blade. Well suited for cutting asparagus.



35c postpaid

PRUNING SHEARS

65c Postpaid



No. 817

Every home has a thousand and one uses for pruning shears—shrubs, berry bushes, hedges, trees, plants—all need pruning. Here is a good pruning shears—tempered blade, guaranteed. Volute spring. Price: 65c, prepaid.

ELECTRIC HEDGE TRIMMER

See page 75

Hedge Shears

To Remove Old Wood and to Keep Hedges and Shrubs Shapely and Trim.



No. 201

Wide beveled blades, ground and polished. Tangs natural finish, bright steel ferrules, case hardened bolt and nuts with lock washer. Mahogany finish—8-inch blades.

ONLY \$1.35 ppd.

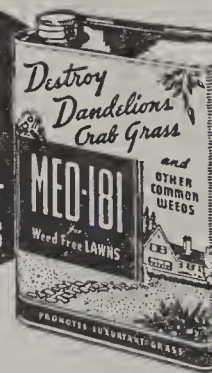
Amazing New Discovery

MEO-181 kills dandelions—plantain, crab grass—without injury to lawn grasses! Simple to use—just spray it on with any hand sprayer (sprayer on page 75). Over-all spraying or "spotting" individual plants, equally effective—at any time in spring or summer. One gallon covers 200 sq. ft. One treatment kills root of weed in 12 hours. Dependable—a product of Armour & Co. Circular free.

1 gallon \$1.55 (postage 27c to 3rd zone), 5 gallons at \$1.45 per gallon, f. o. b. Faribault (by express or freight).

ONE SPRAYING KILLS WEEDS DOES NOT KILL GRASS

\$1.55 GALLON



SACCO PLANT FOOD

For Gardens, Lawns, Shrubs, Plants, Trees.

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor.

Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30x40 ft. (Use 2 to 4 lbs. per 100 sq. ft.).

Price: 5-lb. pkg. 45c, 10-lb. pkg. 85c, 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100-lb. bag \$4.00, f. o. b. Faribault. Detailed instructions in each package.



Makes Things Grow (Analysis: 4-12-4)

WEDO SPECIAL LAWN FERTILIZER

A balanced fertilizer which rids your lawn of weeds. Grass grows luxuriantly—weeds disappear! Formulated by leading soil authorities. Contains the recommended amounts of nitrogen, phosphates and potash most suitable to lawn grasses and the valuable weed eliminating features of sulphate of ammonia and other weed control elements.

HOW MUCH WEDO TO BUY

Only 1 1/2 pounds are required for 100 square feet (10x10-ft. area).

10 lbs. 90c, 25 lbs. \$1.85, 50 lbs. \$3.25, 100 lbs. \$5.75, f. o. b. Faribault.



(Analysis: 8-5-3)

Ideal SPREADER for Home Lawns - only \$3.90

A quality built Fertilizer Spreader designed by makers of Sacco and Wedo. Handles any powdered or granulated fertilizer as well as grass seed. Can be set to feed light, heavy or medium. Instant feed control from handle. Inexpensive but very efficient.

F. o. b. Faribault \$3.90 Weight 13 lbs. (Postage to 3rd zone, 35c).

PEAT MOSS For Lawns and Gardens

If you have trouble with your lawn, if your soil is light and sandy, or bakes hard because of clay, Peat Moss will show wonderful results.

2 oz. of Peat Moss can absorb 1 lb. of water. Use it around roses, shrubs, perennials, your window boxes, ferns and potted plants. One bale of Peat Moss will top-dress 800 to 1,000 square feet of soil. Inexpensive to use. (Circular free.) It contains life-giving humus and nitrogen essential to plant growth—and is free from silt and weed seeds.

Top-dress your lawn early in May. On heavy clay soil, work in to a depth of 6 inches.

Price: 5-lb. package 60c, prepaid; 10-lb. package 85c (prepaid to 3rd zone). Not prepaid, 1/2 bale, about 60 lbs., \$1.50. Large bale, 125 to 135 lbs., \$2.50. PEAT POULTRY LITTER at same prices.



For Applying Fertilizers and Sowing Grass Seed

Does the job RIGHT. Spreads evenly and quickly. Saves time and materials. Will feed or reseed your lawn in less time than is required for mowing.

Something New For The Modern House & Garden

COLORFUL GARDEN BIRDS

Beautiful, natural appearing Garden Birds. Finished in weather-resisting enamel in life-like colors. Swivel-mounted on 22-inch green enamel steel stake. Attractive in outdoor gardens—in ferneries and flower pots, in solarium or flower nook. Made of heavy steel—life-size—5 varieties shown opposite, and bluebird.

3 (any variety) prepaid for.....45c
Order a full set.

6 subjects prepaid for.....85c

Sing in the Breeze.



Cardinal.
Oriole.
Goldfinch.
Bluejay.
Woodpecker.
Bluebird.

Colonial Garden SUN DIAL

Enhance the beauty of your home lawn or garden with this charming Sun Dial! Artistic design—bronze finish—10-inch diameter—marked at quarter-hour intervals. A useful lawn ornament you can be proud of, at a price you can afford!

only \$1.35 postpaid

GARDEN GLOVES, pair ppd. 65c

All-Leather—Dirt-Proof—Soft as Kid Extra Pliable

Economical—outwear six pairs of fabric gloves and are useful the year 'round for Garden, Housework, Painting, Yard, Furnace, Garage, etc.

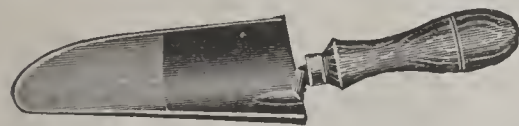
Washable!

Sizes for women: "Small," "medium," "large"—for men: "Medium," and "large." Be sure to specify for men or for women.

Price: 1 pair 65c, 2 pair \$1.20, postpaid.



SHOVEL STEEL GARDEN TROWEL 20c



Made of high carbon shovel steel, 6-in. blade. Heavy malleable shank. Upper part of blade enameled blue, varnished handle.

Price: 20c, prepaid.

LENOX MISTY SPRAYER

The Best for House Plants

Just the thing for house plants or small shrubs. Throws fine misty spray under or over plants, thoroughly drenching foliage, removing dust and insects. Takes any liquid insecticide. Every part of plant can be covered.

(We recommend "Black Leaf 40" or "Evergreen" Spray. See page 73.)

ppd. for 75c



Nu-Life Plant Grower PEPS UP SICK PLANTS 10c



The best plants need stimulating. The soil becomes worn out, the plants sickly—leaves discolor and blooms lack brilliancy.

With Nu-Life Plant Food immediate results are noticed. Easy to use—odorless. Puts new life into sick plants—peps up your flower bed and stimulates growth of all vegetation. Contains 15% Nitrogen, 30% Phosphorous, 15% Potash—only a small amount required per pot.

Fertilizing value four to five times that of ordinary plant food—properly balanced—practically water soluble. Liberal Trial Size 10c, 1/2-lb. package 30c, 1-lb. package 45c, postpaid.

Grow Flowers, Vegetables WITHOUT SOIL

"The Sensation of the 20th Century"



as they need not spread to reach food, and all growth goes into larger plants—much faster ripening—bigger and more perfect fruits and larger, deeper colored flowers.

Can also be used on soil-grown plants and potted plants, by merely watering with half-strength solution—a surprising stimulator.

Grow these amazing new "soil-less" flowers and vegetables, winter or summer with Chemi-Grow. It's fascinating and easy. Complete directions. Small pkg. (makes 6 gallons) 35c, large pkg. (makes 15 gallons) 55c, postpaid.

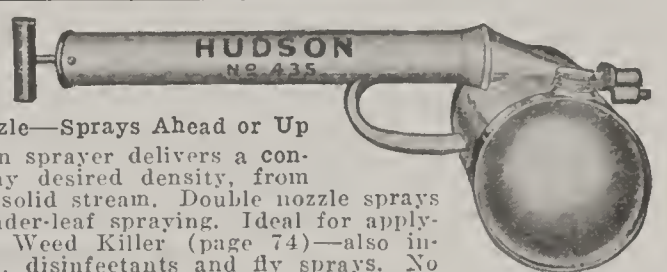
You've Read About It! in Magazines!

Now Try It Yourself

With Chemi-Grow you can grow more gorgeous flowers, more nutritious vegetables, in water—without soil, the year 'round, in your own home!

In chemical growing, every mineral that every plant needs is dissolved in water, and plants grow in any handy crock, bottle or mason jar. Roots are small,

Continuous SPRAYER



Adjustable Dual Nozzle—Sprays Ahead or Up

This sturdy garden sprayer delivers a continuous spray of any desired density, from the finest mist to a solid stream. Double nozzle sprays ahead or up—for under-leaf spraying. Ideal for applying MEO-181 Lawn Weed Killer (page 74)—also insecticides (page 73), disinfectants and fly sprays. No spitting or streaming.

No. 432—with 1 qt. tin tank—postpaid for only . . .
No. 435 with 3 qt. galvanized steel tank (shown above), \$1.40 postpaid.

85c ppd.



O-K Electric HEDGE TRIMMER

only \$8.95 postpaid

Keep your hedges, shrubs well groomed—your arbor vitae shapely! The O-K Electric Trimmer will cut 1/4-inch branches of solid mass growth. Does not hook tips as moved along. Trim 100 feet of hedge in 20 minutes. A great time and labor saver.

O-K Jr. Size (for home use), \$8.95 postpaid. Heavy Duty Size (for large estates), \$15.00 f. o. b. Faribault. (110 volts A.C. or D.C.)

O-K CEMETERY FLOWER VASE



only \$1.00 postpaid

CUTS ITS OWN HOLE—

No Spade Needed!

When not in use push vase into ground. To display flowers merely pull up inner can. The only cemetery vase with dirt cutting teeth—requires no digging. Outer can cuts hole. Electric welded joints. Will last many years. Only \$1.00 postpaid.

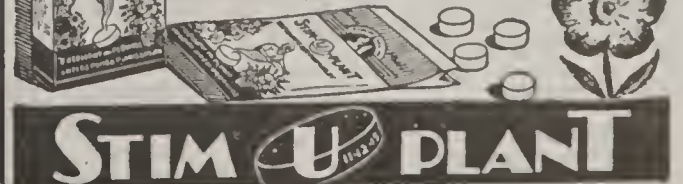
Keep Dogs Away From Your Garden

Protect your plants, shrubs, evergreens by spraying on Dog-Za-Way. Harmless to plants—lasts several weeks. Household size, 39c, postpaid. (See also Dawg-Gone, page 33.)

Plant Food in Tablet Form



Feed your house plants, roses, flowers, shrubbery, vegetables, the modern way—with Stim-U-Plant. Clean and odorless, absolutely reliable. Prices: 10 tablets, 10c; 30 tabs. 25c; 100 tabs. 75c; 500 tabs. \$2.50; 1000 tabs. \$3.50.





Superior Wheat Germ

Ready to Eat

Rich in Vitamins A, B, E, G and Organic Minerals—High in Protein and Wheat Germ Oil—Low in Starch

A general tonic food which tends to create new energy, revitalizes tissues and glands, builds up general health, physical and mental.

Processed to eliminate the toxic effect of raw wheat germ, preserving vitamins and minerals, preventing rancidity.

Try taking one to five tablespoonfuls of Vita-Vita Wheat Germ daily for one month and see what this wonderful food will do for you. Tastes delicious over cereal, fruit, or alone with milk or cream—sweetened with honey or maple syrup. A definite, perhaps sensational improvement in health, vitality and energy many times results.

Price: One lb. 50c, three lbs. \$1.30, prepaid.

Soy Breakfast or Meat Cracks

Alkaline Cereal and Meat Substitute made entirely from soy beans. Soy Cracks are gently steamed, ready to eat as a cereal. They are very rich in complete protein and very low in starch. Fine for serving with Wheat Germ, using one tablespoonful of Soy Cracks with two or three tablespoonfuls Superior Wheat Germ, with milk or cream, fruit or cereal. Useful in diabetic diets.

Soy Cracks may also be combined with other ingredients ordinarily used in making meat loaf or patties, omitting the meat. Also fine to be used for fowl and meat dressing.

Price: 1 lb. 35c, 3 lbs. for 90c, prepaid.

Alkaline Candy Bars

Contain no cane sugar—tasty and healthful. "A balanced meal," truly alkaline, containing raisins, honey, dates, figs, Superior Wheat Germ, soy milk, and milk chocolate coating. Excellent for children and all ages. Diabetics may have them if they are permitted to eat honey.

Alkaline Candy Bars satisfy that craving for sweets in a healthful way. 24 bars per box.

Price: \$1.15 per box, 1/2 box 75c, postpaid.

Garlic, Parsley & Honey

Of great medicinal value. Secrets of ages discovered. Used in treatment of acidity, high blood pressure, pneumonia, colds, coughs and kidney trouble. Get circular giving opinion of medical authority. Take one teaspoonful daily.

Price: 4-oz. bottle 60c, 3 bottles \$1.50, prepaid.



Minnehaha Herb Tea

Native Herbs—a valuable compound of roots, herbs, leaves, seeds, barks, berries, licorice and flowers taken from Nature's fields.

Recommended as a laxative for constipation, auto-intoxication, biliousness and acid stomach, due to constipation.

Nature's own remedy—contains nothing harmful or habit-forming.

Price, triple carton, complete, 45c, prepaid.

PSYLLIUM—FOR YOUR HEALTH

Blond Psyllium is a natural aid in the treatment of constipation, and a safe, harmless, non-habit forming regulator.

This seed owes its special value to its ability to supply both bulk and lubrication needed for sufficient bowel action. It gives off a gelatinous oil which produces a mild, efficient intestinal lubrication.

The seeds are taken with the meal as an accessory food in the diet. Leading physicians recommend Psyllium.

We do not offer Psyllium seed for culture in this country—it is a native of India. Our seed is triple cleaned and sterilized.

Send for free leaflet.

Price: 12-oz. pkg. 35c, 3 lbs. for 85c, 5 lbs., sufficient for two months' treatment, \$1.50, prepaid.

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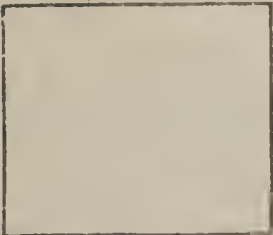
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will insert



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Spaces above this line are for the Postmaster's record, to be filled in by him

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Spaces below to be filled in by purchaser, or, if necessary,
by another person for him

Amount

_____ Dollars _____ Cents

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Order of } _____
(Name of person or firm for whom order is intended)

Whose }
Address }
Is } No. _____ Street

Post }
Office } **FARIBAULT**

State **MINNESOTA**

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(Name of sender)

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City }
and }
State }

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For Orders From	\$0.01 to	\$2.50	6 cents.
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From	\$10.01 to	\$20.00	13 cents.
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(EDITION JULY 1937) c5—7155

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Your Best Crop Insurance

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A FEW GOOD NAMES OF FRIENDS INTERESTED IN OUR ANNUAL WILL BE APPRECIATED.

New Vegetables

THAT SHOULD BE IN
YOUR GARDEN



604 Golden Table Queen SQUASH

1939 All-America Medal Winner

Attractive, individual squash—new in flavor and color. Its golden ripeness decorates the holiday table—a good keeper. (Page 21.) Pkt., 8c; oz., 15c; 1/4 lb., 45c, pastpaid.



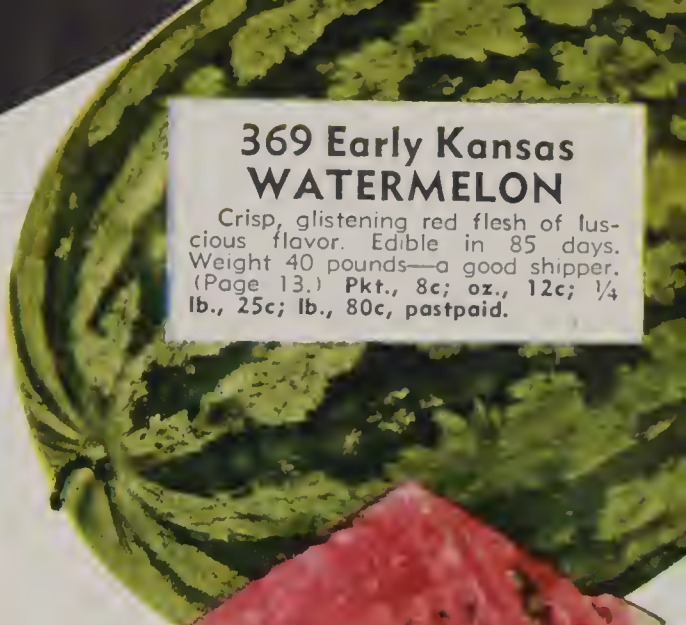
250 Hybrid POP CORN

An amazing Japanese Hul-less Hybrid — yields 16% more—pops to 29% greater volume than ordinary popcorn. Quality, flavor, tenderness superb. (Page 9.) Pkt., 8c; 1/4 lb., 15c; 1/2 lb., 25c, pastpaid.



531 Fire- cracker RADISH

Ready to eat in 21 days! Remains crisp, sound and mild longer than others. Distinct shape and vivid scarlet color. (Page 20.) Pkt., 8c; oz., 15c; 1/4 lb., 30c, pastpaid.



369 Early Kansas WATERMELON

Crisp, glistening red flesh of luscious flavor. Edible in 85 days. Weight 40 pounds—a good shipper. (Page 13.) Pkt., 8c; oz., 12c; 1/4 lb., 25c; lb., 80c, pastpaid.



356 Pride of Wisconsin MUSKMELON

A handsome new melon with heavy netting; thick, orange flesh of delicious flavor, and small seed cavity. A splendid shipper. (Page 12.) Pkt., 10c; oz., 20c; 1/4 lb., 40c, pastpaid.



176 New Streamliner CARROT

Best for bunching. Short, strong tops and slender roots 10 inches long. Deep orange color, small, red core. (Page 5.) Pkt., 10c; oz., 20c; 1/4 lb., 50c, pastpaid.

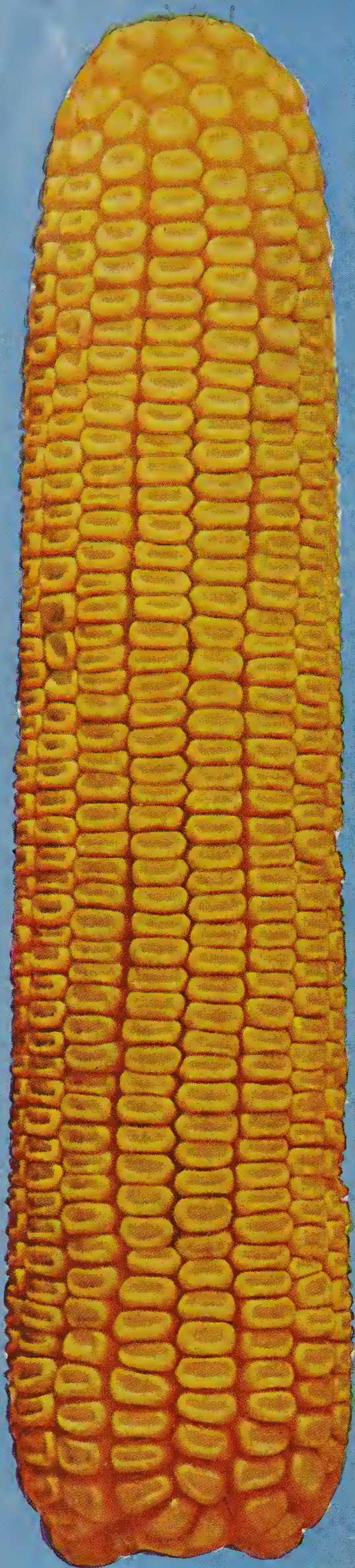
610 New Rutgers TOMATO

Large, smooth, bright red fruits which ripen from the center. Early, and of low acidity. (Page 22.) Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.10, pastpaid.

New
VEGETABLE
Collection
7 PACKETS
One of each variety
shown on this page.

A 62c
Value
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45¢



CRESTED WHEAT GRASS

Hardest draught and cold resistant perennial bunch grass yet discovered. A native of Russia, Siberia and the Great Western Plains.

Will thrive anywhere, produce early, rapid growth and abundant pasturage. Recommended by Northwest Experiment Stations. Seed now reasonably priced.

See page 59 and Blue Figure Price List enclosed.

MINHYBRID 301 State Registered

The big record-making hybrid for Southern Minnesota, Northern Iowa, Central Wisconsin and South Dakota.

Withstands wind and storms, and produces 12 to 20 bushels more per acre than open pollinated corn.

See page 66. Direct-to-you prices on Blue Figure List.

REGISTERED "IDEAL" Silo Corn

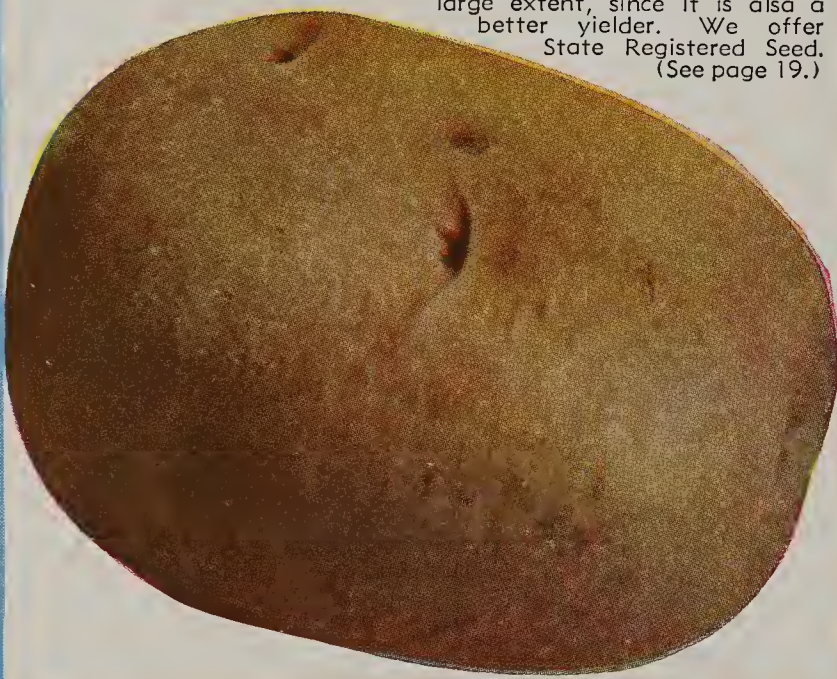
Fills silos with half the usual acreage—thrives everywhere—becoming nationally famed. Produces an abundance of fodder, and matures a large ear of corn.

See page 68, and Blue Figure Price List.

NEW MESABA POTATO

1938 Sweepstakes Prize Winner at Minnesota State Fair

The most promising of all new varieties. Has the extreme earliness of the Cobbler and the shallow eyes of the Chippewa. Mesaba is replacing Cobbler to a large extent, since it is also a better yielder. We offer State Registered Seed. (See page 19.)



MINHYBRID No. 301

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